10608083_LIST PLUS Search Results for S/N 10608083 Searched Apr 13, 2007.
The Patent Linguistic Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. 20020198867

U

6912524

10608083_LIST

Day: Friday Date: 4/13/2007

Time: 09:19:07

<u>o (* PALM INTRANET</u>

Inventor Information for 10/608083

Inventor Name	City	State/Country
BRUNO, NICOLAS	REDMOND	WASHINGTON
CHAUDHURI, SURAJIT	REDMOND	WASHINGTON
Appln Info Contents Petition Info Search Another: Application#	Atty/Agent Info	Continuity/Reexam Foreig
Scarch Another. Application#	UI I	atent#
PCT //	Search or PG I	PUBS # Search
PCT / /	Search or PG I	Search Search

To go back use Back button on your browser toolbar.

Back to PALM | ASSIGNMENT | OASIS | Home page



□ Search Results

BROWSE

Results for "(((optimizing<in>metadata) <and> (query<in>metadata))<and> (estimatin..."

SEARCH

IEEE XPLORE GUIDE

☑e-mail

» Search O	ptions								
View Sessi	on History	Modify Search							
New Search		(((optimizing <in>metadata) <and> (query<in>metadata))<and> (estimating<in>m</in></and></in></and></in>							
		Check to search only within this results set							
» Key		Display Format:							
IEEE JNL	IEEE Journal or Magazine	view selected items Select All Deselect All							
IET JNL	IET Journal or Magazine								
IEEE CNF	IEEE Conference Proceeding	1. Large join optimization on a hypercube multiprocessor							
IET CNF	IET Conference Proceeding	Lin, E.T.; Omiecinski, E.R.; Yalamanchili, S.; Knowledge and Data Engineering, IEEE Transactions on							
IEEE STD	IEEE Standard	Volume 6, Issue 2, April 1994 Page(s):304 - 315 Digital Object Identifier 10.1109/69.277773							
		AbstractPlus Full Text: PDF(1180 KB) IEEE JNL Rights and Permissions							
		2. Parallel optimization of large join queries with set operators and aggrega environment supporting pipeline Spiliopoulou, M.; Hatzopoulos, M.; Cotronis, Y.; Knowledge and Data Engineering, IEEE Transactions on Volume 8, Issue 3, June 1996 Page(s):429 - 445 Digital Object Identifier 10.1109/69.506710							
		AbstractPlus References Full Text: PDF(1580 KB) IEEE JNL Rights and Permissions							
·		3. Optimizing queries with foreign functions in a distributed environment Tsai, P.S.M.; Chen, A.L.P.; Knowledge and Data Engineering, IEEE Transactions on Volume 14, Issue 4, July-Aug. 2002 Page(s):809 - 824 Digital Object Identifier 10.1109/TKDE.2002.1019215							
		AbstractPlus References Full Text: PDF(457 KB) IEEE JNL Rights and Permissions							
		4. Bayesian retrieval in associative memories with storage errors Sommer, F.T.; Dayan, P.; Neural Networks, IEEE Transactions on Volume 9, Issue 4, July 1998 Page(s):705 - 713 Digital Object Identifier 10.1109/72.701183							
		AbstractPlus References Full Text: PDF(256 KB) IEEE JNL Rights and Permissions							



Digital Object Identifier 10.1109/TPAMI.2002.1039208

AbstractPlus | References | Full Text: PDF(2510 KB) IEEE JNL

 Search Results **BROWSE SEARCH IEEE XPLORE GUIDE** Results for "(((conditional<in>metadata) <and> (expressions<in>metadata))<and> (op..." ☑ e-mail Your search matched 2 of 446532 documents. A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order. » Search Options View Session History **Modify Search** New Search (((conditional<in>metadata) <and> (expressions<in>metadata))<and> (optimize< Check to search only within this results set » Key **IEEE JNL** IEEE Journal or Magazine view selected items Select All Deselect All IET Journal or Magazine **IET JNL IEEE Conference IEEE CNF** Proceeding 1. Stochastic gradient adaptation under general error criteria Douglas, S.C.; Meng, T.H.-Y.; **IET** Conference **IET CNF** Proceeding Signal Processing, IEEE Transactions on [see also Acoustics, Speech, and Signal Processing Signal Proc IEEE Transactions on] IEEE STD IEEE Standard Volume 42, Issue 6, June 1994 Page(s):1335 - 1351 Digital Object Identifier 10.1109/78.286951 AbstractPlus | Full Text: PDF(1456 KB) | IEEE JNL Rights and Permissions 2. A maximum-likelihood surface estimator for dense range data Whitaker, R.T.; Gregor, J.; Pattern Analysis and Machine Intelligence, IEEE Transactions on Volume 24, Issue 10, Oct. 2002 Page(s):1372 - 1387 -

Rights and Permissions

Help Contact Us Privacy & :

© Copyright 2006 IEEE -

Indexed by Inspec*



BROWSE □ Search Results **SEARCH IEEE XPLORE GUIDE** Results for "(((query<in>metadata) <and> (expressions<in>metadata))<and> (estimate..." ☑ e-mail Your search matched 5 of 1558879 documents. A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order. » Search Options View Session History **Modify Search** (((query<in>metadata) <and> (expressions<in>metadata))<and> (estimated<in> Search New Search Check to search only within this results set » Key Display Format: © Citation C Citation & Abstract IEEE Journal or **IEEE JNL** Magazine view selected items Select All Deselect All **IET JNL** IET Journal or Magazine IEEE Conference **IEEE CNF** 1. 3D face pose discrimination using wavelets Proceeding Motwani, M.C.; Qiang Ji; **IET CNF IET Conference** Image Processing, 2001. Proceedings, 2001 International Conference on Proceeding Volume 1, 7-10 Oct. 2001 Page(s):1050 - 1053 vol.1 IEEE STD IEEE Standard Digital Object Identifier 10.1109/ICIP.2001.959229 AbstractPlus | Full Text: PDF(456 KB) | IEEE CNF | Rights and Permissions 2. Fragmenting relations horizontally using a knowledge-based approach П Shin, D.-G.; Irani, K.B.; Software Engineering, IEEE Transactions on Volume 17, Issue 9, Sept. 1991 Page(s):872 - 883 Digital Object Identifier 10.1109/32.92906 AbstractPlus | Full Text: PDF(1080 KB) | IEEE JNL Rights and Permissions 3. Limitations and benefits of cooperative proxy caching Dykes, S.G.; Robbins, K.A.; Selected Areas in Communications, IEEE Journal on Volume 20, Issue 7, Sep 2002 Page(s):1290 - 1304 Digital Object Identifier 10.1109/JSAC.2002.801750 AbstractPlus | References | Full Text: PDF(376 KB) | IEEE JNL Rights and Permissions 4. Efficient XML query processing in mediators Liang Huai Yang; Shiwei Tang; Dongqing Yang; Lijun Chen; Database and Expert Systems Applications, 2001. Proceedings. 12th Internation 3-7 Sept. 2001 Page(s):27 - 31 Digital Object Identifier 10.1109/DEXA.2001.953037 AbstractPlus | Full Text: PDF(336 KB) IEEE CNF Rights and Permissions

П

structured files

Lang, S.D.; Manolopoulos, Y.; <u>Software Engineering, IEEE Transactions on</u> Volume 16, Issue 12, Dec. 1990 Page(s):1433 - 1435 Digital Object Identifier 10.1109/32.62451

5. Efficient expressions for completely and partly unsuccessful batched sea

<u>AbstractPlus</u> | Full Text: <u>PDF</u>(308 KB) **IEEE JNL** <u>Rights and Permissions</u>

indexed by Inspec*

Help Contact Us Privacy &:

© Copyright 2006 IEEE --



□ Search Results

BROWSE

SEARCH

Data Engineering, 1996. Proceedings of the Twelfth International Conference (

26 Feb.-1 March 1996 Page(s):318 - 325

IEEE XPLORE GUIDE

Your search	h matched 8 of 1558879 do	ocuments. ed, 25 to a page, sorted by Relevance in Descending order.	t e-maii					
» Search O	ptions	•						
View Sessi	on History	Modify Search						
New Search		(((recursive <in>metadata) <and> (query<in>metadata))<and> (optimize<in>metadata</in></and></in></and></in>	«Search»					
•	_	Check to search only within this results set						
» Key		Display Format:						
IEEE JNL	IEEE Journal or Magazine	र् view selected items Select All Deselect All						
IET JNL	IET Journal or Magazine	view selected items Select All Deselect All						
IEEE CNF	IEEE Conference Proceeding	1. A query evaluation strategy for deductive databases with presentations.	ence of ne					
IET CNF	IET Conference Proceeding	HLPN Barkaoui, K.; Majzi, Y.;						
IEEE STD	IEEE Standard	Systems, Man, and Cybernetics, 1997. 'Computational Cybernetics International Conference on Volume 3, 12-15 Oct. 1997 Page(s):2386 - 2391 vol.3 Digital Object Identifier 10.1109/ICSMC.1997.635284	and Simul					
		AbstractPlus Full Text: PDF(536 KB) IEEE CNF Rights and Permissions						
		2. The query clustering problem: a set partitioning approach Gopal, R.D.; Ramesh, R.; Knowledge and Data Engineering, IEEE Transactions on Volume 7, Issue 6, Dec. 1995 Page(s):885 - 899 Digital Object Identifier 10.1109/69.476495						
		AbstractPlus References Full Text: PDF(1648 KB) IEEE JNL Rights and Permissions						
		3. User defined aggregates in object-relational systems Wang, H.; Zaniolo, C.; Data Engineering, 2000. Proceedings. 16th International Conference 29 Feb3 March 2000 Page(s):135 - 144 Digital Object Identifier 10.1109/ICDE.2000.839400	e on					
		AbstractPlus Full Text: PDF(116 KB) IEEE CNF Rights and Permissions						
		4. Query planning with limited source capabilities Li, C.; Chang, E.; Data Engineering, 2000. Proceedings. 16th International Conference 29 Feb3 March 2000 Page(s):401 - 412 Digital Object Identifier 10.1109/ICDE.2000.839440	e on					
		AbstractPlus Full Text: PDF(192 KB) IEEE CNF Rights and Permissions						
	·	5. Evaluation and optimization of the LIVING IN A LATTICE rule la Riedel, H.; Heuer, A.;	inguage					

Digital Object Identifier 10.1109/ICDE.1996.492179

<u>AbstractPlus</u> | Full Text: <u>PDF</u>(848 KB) IEEE CNF

<u>Rights and Permissions</u>

6. A functional clustering method for optimal access to complex domains ir Cheiney, J.; Kiernan, G.; Data Engineering, 1988. Proceedings. Fourth International Conference on 1-5 Feb. 1988 Page(s):394 - 401 Digital Object Identifier 10.1109/ICDE.1988.105483 AbstractPlus | Full Text: PDF(616 KB) | IEEE CNF Rights and Permissions 7. Dynamic three-dimensional linear programming Eppstein, D.; Foundations of Computer Science, 1991. Proceedings., 32nd Annual Symposis 1-4 Oct. 1991 Page(s):488 - 494 Digital Object Identifier 10.1109/SFCS.1991.185410 AbstractPlus | Full Text: PDF(592 KB) IEEE CNF Rights and Permissions 8. A model for optimizing deductive and object-oriented DB requests Cheiney, J.-P.; Lanzelotte, R.S.G.; Data Engineering, 1992. Proceedings. Eighth International Conference on 2-3 Feb. 1992 Page(s):385 - 392 Digital Object Identifier 10.1109/ICDE.1992.213171

AbstractPlus | Full Text: PDF(652 KB) | IEEE CNF

Rights and Permissions

Help Contact Us Privacy &

© Copyright 2006 IEEE -

Indexed by



□ Search Results

BROWSE

SEARCH

IEEE XPLORE GUIDE

· Your search	h matched 2 of 446532 docu	a) <and> (query<in>metadata))<and> (statistics"</and></in></and>						
» Search O	ptions	*						
View Session History		Modify Search						
New Search		(((estimated <in>metadata) <and> (query<in>metadata))<and> (statistics<in>met</in></and></in></and></in>						
		Check to search only within this results set						
» Key		Display Format:						
IEEE JNL	IEEE Journal or Magazine							
IET JNL	IET Journal or Magazine	view selected items Select All Deselect All						
IEEE CNF	IEEE Conference Proceeding	1. Antisampling for Estimation: An Overview						
IET CNF	IET Conference Proceeding	Rowe, N.C.; Software Engineering, IEEE Transactions on						
IEEE STD	IEEE Standard	Volume SE-11, Issue 10, Oct. 1985 Page(s):1081 - 1091 <u>AbstractPlus</u> Full Text: <u>PDF(</u> 4744 KB) IEEE JNL <u>Rights and Permissions</u>						
		Domains and active domains: what this distinction implies for the estimal projection sizes in relational databases Ciaccia, P.; Maio, D.; Knowledge and Data Engineering, IEEE Transactions on Volume 7, Issue 4, Aug. 1995 Page(s):641 - 655 Digital Object Identifier 10.1109/69.404035 AbstractPlus References Full Text: PDF(1172 KB) IEEE JNL Rights and Permissions						

Help Contact Us Privacy &:

© Copyright 2006 IEEE -

indexed by च्चि Inspec



□Search Results

BROWSE

SEARCH

IEEE XPLORE GUIDE

Your search	h matched 4 of 1558879 do	ta) <and> (query<in>metadata))<and> (tables<"</and></in></and>						
» Search O	ptions							
View Sessi	on History	Modify Search						
New Searc	<u>h</u>	(((statistics <in>metadata) <and> (query<in>metadata))<and> (tables<in>metadata) <and> Search</and></in></and></in></and></in>						
		Check to search only within this results set						
» Key		Display Format:						
IEEE JNL	IEEE Journal or Magazine							
IET JNL	IET Journal or Magazine	view selected items Select All Deselect All						
IEEE CNF	IEEE Conference Proceeding	1. SQL Test Suite goes online						
IET CNF	IET Conference Proceeding	Sullivan, J.; Computer						
IEEE STD	IEEE Standard	Volume 30, Issue 6, June 1997 Page(s):103, 105 Digital Object Identifier 10.1109/2.587557						
		AbstractPlus Full Text: PDF(388 KB) IEEE JNL Rights and Permissions						
		2. System for database reports generating Tarassenko, P.F.; Bukharova, M.S.; Science and Technology, 2001. KORUS '01. Proceedings. The Fifth Russian-le International Symposium on Volume 1, 26 June-3 July 2001 Page(s):84 - 88 vol.1 Digital Object Identifier 10.1109/KORUS.2001.975063						
	·	AbstractPlus Full Text: PDF(455 KB) IEEE CNF Rights and Permissions						
		3. Domain reduction dependencies: A new type of dependency for statistical security Hansen, S.C.; Unger, E.A.; Computer Security Applications Conference, 1991. Proceedings., Seventh Anno 2-6 Dec. 1991 Page(s):178 - 186 Digital Object Identifier 10.1109/CSAC.1991.213007 AbstractPlus Full Text: PDF(680 KB) IEEE CNF						
		Rights and Permissions						
		4. An extended memoryless inference control model: partial-table level sup Hansen, S.C.; Unger, E.A.; Applied Computing, 1991., [Proceedings of the 1991] Symposium on 3-5 April 1991 Page(s):142 - 149 Digital Object Identifier 10.1109/SOAC.1991.143866						
		AbstractPlus Full Text: PDF(508 KB) IEEE CNF Rights and Permissions						

Indexed by Inspec*



Search Session History

Welcome United States Patent and Trademark Office

BROWSE

SEARCH

IEEE XPLORE GUIDE

Thu, 3 May 2007, 9:15:56 AM EST

Edit an existing query or compose a new query in the Search Query Display.

Select a search number (#)

- Add a query to the Search Query Display
- Combine search queries using AND, OR, or NOT
- Delete a search
- Run a search

Search Query Display



- (((optimizing<in>metadata) <and> (query<in>metadata))
 <and> (estimating<in>metadata)) <and> (pyr >= 1950 <and>
 pyr <= 2002)</pre>
- (((optimizing<in>metadata) <and> (query<in>metadata))
 <and> (estimating<in>metadata)) <and> (pyr >= 1950 <and>
 pyr <= 2002)</pre>
- (((conditional<in>metadata) <and>
 (expressions<in>metadata))<and> (optimize<in>metadata))
 <and> (pyr >= 1950 <and> pyr <= 2002)</pre>
- #5 ((query<in>metadata) <and>(optimize<in>metadata))<and>(recursively<in>metadata)
- (((recursive<in>metadata) <and> (query<in>metadata))

 47

 47
 (optimize<in>metadata)) <and> (pyr >= 1950 <and> pyr <= 2002)
- ((((recursive<in>metadata) <and> (query<in>metadata))
 <and> (optimize<in>metadata)) <and> (pyr >= 1950 <and>
 pyr <= 2002)</pre>
- ((((recursive<in>metadata) <and> (query<in>metadata))
 <and> (optimize<in>metadata)) <and> (pyr >= 1950 <and>
 pyr <= 2002)</pre>
- ((((estimated<in>metadata) <and> (query<in>metadata))

 *and> (statistics<in>metadata)) <and> (pyr >= 1950 <and>
 pyr <= 2002)</pre>
- (((statistics<in>metadata) <and> (query<in>metadata))
 <and> (tables<in>metadata)) <and> (pyr >= 1950 <and> pyr <= 2002)

attribute of R, and Q an SQL query that contains R.A in the SELECT clause. SIT(R.A|Q) is the statistic for attribute A on the result of the executing query expression Q. Q is called the generating query expression of SIT (R.A|Q). This definition can be extended for multi-attribute statistics. Furthermore, the definition can be used as the basis for extending the CREATE STATISTICS statement in SQL where instead of specifying the table name of the query, more general query expression such as a table valued expression can be used.

In U.S. Patent Application Serial No. 10/191,822, incorporated herein by reference in its entirety, the concept of SITs was introduced. A particular method of adapting a prior art query optimizer to access and utilize a preexisting set of SITs for cost estimation was described in detail in this application, which method is summarized here briefly as background information.

Referring to Figure 2, the query optimizer examines an input query and generates a query execution plan that most efficiently returns the results sought by the query in terms of cost. The cost estimation module and its imbedded cardinality estimation module can be modified to utilize statistics on query expressions, or intermediate tables, to improve the accuracy of cardinality estimates.

In general, the use of SITs is enabled by implementing a wrapper (shown in phantom in Figure 2) on top of the original cardinality estimation module of the RDBMS. During the optimization of a single query, the wrapper will be called many times, once for each different query sub-plan enumerated by the optimizer. Each time the query optimizer invokes the modified cardinality estimation module with a query plan, this input plan is transformed by the wrapper into another one that exploits SITs. The

cardinality estimation module uses the input plan to arrive at a potentially more accurate cardinality estimation that is returned to the query optimizer. The transformed query plan is thus a temporary structure used by the modified cardinality and is not used for query execution.

15 Nov Us Patent # 6,947,927

According to the embodiment described in application serial number 10/191,822, the transformed plan that is passed to the cardinality estimation module exploits applicable SITs to enable a potentially more accurate cardinality estimate. The original cardinality estimation module requires little or no modification to accept the transformed plan as input. The transformation of plans is performed efficiently, which is important because the transformation will be used for several sub-plans for a single query optimization.

In general, there will be no SIT that matches a given plan exactly. Instéad, several SITs might be used for to some (perhaps overlapping) portions of the input plan.

In Mac US for the several SITs might be used for to some (perhaps overlapping) portions of the input plan.

In Mac US for the several several several number 10/191,822 integrates SITs with cardinality estimation routines by transforming the input plan into an equivalent one that exploits SITs as much as possible. The transformation step is based on a greedy procedure that selects which SITs to apply at each iteration, so that the number of independence assumptions during the estimation for the transformed query plan is minimized. Identifying whether or not a SIT is applicable to a given plan leverages materialized view matching techniques as can be seen in the following example.

In the query shown in Figure 3(a) $R \triangleright \triangleleft S$ and $R \triangleright \triangleleft T$ are (skewed) foreign-key joins. Only a few tuples in S and T verify predicates $\sigma_{S,a \triangleleft IO}(S)$ and $\sigma_{T,b \triangleright IO}(T)$ and most tuples in R join precisely with these tuples in S and T. In the absence of SITs,

1/19/2006

Therefore error values must be estimated using efficient and coarse mechanisms.

Existing information such as system catalogs or characteristics of the input query can be used but not additional information created specifically for such purpose.

15 Nors Us Patent # 6,947,927

Application serial number 10/191,822 introduced an error function, nInd, that is simple and intuitive, and uses the fact that the independence assumption is the main source of errors during selectivity estimation. The overall error of a decomposition is defined as $S = Sel_{RI}(P_1|Q_1) \cdot ... \cdot Sel_{RI}(P_n|Q_n)$ when approximated, respectively, using $\mathcal{H}_{RI}(A_1|Q_1), ..., \mathcal{H}_{RI}(A_n|Q_n)$ ($Q_1 \subseteq Q_1$), as the total number of predicate independence assumptions during the approximation, normalized by the maximum number of independence assumptions in the decomposition (to get a value between 0 and 1). In symbols, this error function is as follows:

nInd ({Sel_g(P_i|Q_i),
$$\mathcal{H}_{g}(A_{i}|Q'_{i})}) = \frac{\sum_{i}|P_{i}|\cdot|Q_{i}-Q'_{i}|}{\sum_{i}|P_{i}|\cdot|Q_{i}|}$$

Each term in the numerator represents the fact that Pi and $Q_i - Q_i'$ are independent with respect to Q_i , and therefore the number of predicate independent assumptions is $|Pi| \cdot |Q_i - Q_i'|$. In turn, each term in the denominator represents the maximum number of independence assumptions when $Q_i' = \emptyset$, i.e $|P_i| \cdot |Q_i|$. As a very simple example, consider $S = Sel_R(R.a < 10, R.b > 50)$ and decomposition $S = Sel_R(R.a < 10, R.b > 50)$. Sel_R(R,b>50). If base table histograms H(R.a) and H(R.b) are used, the error using nInd is $\frac{1 \cdot (1-0) + 1 \cdot (0-0)}{1 \cdot 1 + 1 \cdot 0} = 1/1 = 1$, i.e., one out of one independence assumptions (between



Web Images Video News Maps more »

optimizing query database tuples decomposin

Search Patents

Advanced Patent Sear Google Patent Search

Patents

Patents 1 - 10 on optimizing query database tuples decomposing. (0.75 seconds)

Apparatus and method for decomposing database queries for database management system including ...

US Pat. 5742806 - Filed Jan 31, 1994 - Sun Microsystems, Inc.

ROWID,15,4) can be of ORACLE for KSR (Database Note #21) evaluated using ROWID

... Query decomposition is done by making a number of 35 3.1 Decomposing ...

Exploitation of uniqueness properties using a 1-tuple condition for the optimization of SQL queries

US Pat. 5615361 - Filed Feb 7, 1995 - International Business Machines Corporation Description of Related Art 15 Computer systems incorporating Relational **database** Management System (RDBMS) software using a Structured **Query** Language (SQL) ...

Apparatus and method for decomposing database queries for database management system including ...

US Pat. 6289334 - Filed Jan 31, 1997 - Sun Microsystems, Inc.

3.1 **Decomposing** queries into subqueries We plan to build a **query** decomposer module

... FILEID,i) is true for tuples in the ith group of files for table t. ...

Exploitation of subsumption in optimizing scalar subqueries

US Pat. 6339768 - Filed Aug 13, 1998 - International Business Machines Corporation Description of Related Art Computer systems incorporating Relational **database**Management System (RDBMS) software using a Structured **Query** Language (SQL) ...

Storing fragmented XML data into a relational database by decomposing XML documents with ...

US Pat. 6643633 - Filed Jan 31, 2002 - International Business Machines Corporation The rows are formally called **tuples**. A **database** will typically have many physical ... Thus, there is a need for an improved technique of **decomposing** an XML ...

Method for converting relational data into XML

US Pat. 6785673 - Filed Dec 28, 2001 - AT&T Corp.

The resulting **tuples** are sorted by the XML element in which they occur, ... algorithm for **decomposing** an RXL view **query** into an optimal set of SQL queries. ...

System and methodology for join enumeration in a memory-constrained environment US Pat. 6516310 - Filed Dec 6, 2000 - Sybase, Inc.

... Transactions on **Database** Systems, 1(3): 223-241, September 1976) that recursively breaks up a calculus (QUEL) **query** into smaller pieces by **decomposing** ...

Method of generating attribute cardinality maps

US Pat. 6865567 - Filed Jan 19, 2000

A complete set of glossary is found in many undergraduate **database** text books, including [Elmasri and Navathe, 1994], pp 137-177. 2.1 **Query** Optimization: An ...

Method and apparatus for database query decomposition

US Pat. 6816854 - Filed Jun 8, 2001 - Sun Microsystems, Inc.

Section 2 (of this database note) describes our query decomposition approach in

... This is mainly viewed as an OLTP-oriented technique, aimed at optimizing ...

Set containment join operation in an object/relational database management system

US Pat. 6728694 - Filed Apr 17, 2000 - NCR Corporation

Next, the algorithm 50 proceeds to the probing phase, where the tuples of Rsig and

... During the final verification phase, the tuples referred to in the (...

Google ▶

Result Page:

Next

optimizing query database tuples decomposin Search Patents

Google Patent Search Help | Advanced Patent Search

Google Home - About Google - About Google Patent Search

©2007 Google



Web Images Video News Maps more »

optimizing query database tuples decomposin

Search Palents

Advanced Patent Sear Google Patent Search

Patents

Patents 11 - 19 on optimizing query database tuples decomposing. (0.05 seconds)

Calibration of logical cost formulae for queries in a heterogeneous DBMS using synthetic database

US Pat. 5412806 - Filed Aug 20, 1992 - Hewlett-Packard Company Component2 is the cost of processing each of the selected **tuples**. ... responsibility for **decomposing** and executing the **query** over the participating dbmss. ...

Automated query optimization method using both global and parallel local optimizations for ...

US Pat. 4769772 - Filed Feb 28, 1985 - Honeywell Bull, Inc.

Work has been done on **decomposing** the IF-THEN- ELSE-ENDIF control construct as described in "Transaction Optimization in a Distributed **Database** Testbed ...

Generating one or more XML documents from a single SQL query

US Pat. 6636845 - Filed Jan 31, 2002 - International Business Machines Corporation The rows are formally called **tuples**. A **database** will typically have many physical ... Thus, there is a need for an improved technique of **decomposing** an XML....

Generating one or more XML documents from a relational database using XPath data model

US Pat. 7174327 - Filed Jan 31, 2002 - International Business Machines Corporation The rows are formally called **tuples**. A **database** will typically have many physical ... Thus, there is a need for an improved technique of **decomposing** an XML ...

Method of performing a parallel relational database query in a multiprocessor environment ...

US Pat. 5765146 - Filed Nov 4, 1993 - International Business Machines Corporation Chen et al., "Schema Integration and **Query** Decomposition in a Distributed **Database** System Using a Knowledge Based Approach", Information Modelling and ...

View composition in a data base management system

US Pat. 5276870 - Filed Oct 9, 1990 - Hewlett-Packard Company When the v.ew was translated into an equivalent **query** that re- node immediatel above the view nod^ th are ob. . ij • • i t_ **tuples** of the materialized view ...

Semantic optimization of query order requirements using order detection by normalization in

US Pat. 5619692 - Filed Feb 17, 1995 - International Business Machines Corporation (RELATIONAL 45 **DATABASE** WRITINGS 1989-1991, CJ Date with Hugh Darwen, Chapter 10: The Role of Functional Dependencies in **Query** Decomposition for a ...

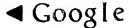
XML document stored as column data

US Pat. 6721727 - Filed Nov 29, 2000 - International Business Machines Corporation The rows are formally called **tuples**. A **database** will typically have many 59 ... Thus, there is a need for an improved technique of **decomposing** an XML ...

Reducing query response time using tree balancing

US Pat. 5694591 - Filed May 2, 1995 - Hewlett Packard Company

Rather, according to the invention they should be For a given query tree, mere are many ... When a database is queried, the optimizer struc- so result of ...



Result Page: Previous 1 2

optimizing query database tuples decomposir

Google Patent Search Help | Advanced Patent Search

Google Home - About Google - About Google Patent Search ©2007 Google



Web Images Video News Maps more »

optimizing query recursive selectivity value

Search Patents

Advanced Patent Sear Google Patent Search

Patents

Patents 1 - 8 on optimizing query recursive selectivity value. (0.30 seconds)

Query optimization with switch predicates

US Pat. 6581055 - Filed Sep 11, 2000 - Oracle International Corporation By enabling more accurate estimates of the **selectivity** of a **query**, ... environment or **value** of a **query** variable), in which case no switch predicate need be ...

<u>Database system with methods for performing cost-based estimates using spline histograms</u> US Pat. 6012054 - Filed Oct 23, 1997 - Sybase, Inc.

The Optimizer is responsible for **optimizing** the **query** tree. ... **value**—an extra floatingpoint **value** per cell—allows a more accurate **selectivity** 35 estimate, ...

Selectivity estimation for processing SQL queries containing having clauses

US Pat. 6778976 - Filed Jan 10, 2001 - International Business Machines Corporation The preferred embodiment approach obtains **selectivity** estimates for each possible ... In the context of the **value** for P(hurdle, g), the convolution method ...

Learning from empirical results in query optimization

US Pat. 6763359 - Filed Jun 6, 2001 - International Business Machines Corporation By comparing the actual **selectivity** of the predicate with the estimated ... actual **value** (act) computed from the monitor information: est=actual=stats*adj; ...

<u>Database system with methodology for distributing query optimization effort over large search spaces</u>

US Pat. 6807546 - Filed May 8, 2003 - Sybase, Inc.

The first advantage is 50 that any **value** can be chosen for the quota. As described above by Lohmen (in "System for Adapting **Query** Optimization Effort to ...

<u>Database system with methodology providing improved cost estimates for query strategies</u> US Pat. 6353826 - Filed Aug 27, 1999 - Sybase, Inc.

The Optimizer is responsible for **optimizing** the **query** tree. ... by most RDBMS vendors to do **selectivity** estimates, which eventually lead to cost estimates. ...

Query optimization by predicate move-around

US Pat. 5659725 - Filed Jun 6, 1994 - Lucent Technologies Inc.
Unlike the magic-set transformation, moved across query blocks, ... redundant predicates can lead to incorrect selectivity esti- within the same 1 minute, ...

System and methodology for join enumeration in a memory-constrained environment

US Pat. 6516310 - Filed Dec 6, 2000 - Sybase, Inc.

"Join enumeration" is a **recursive** process which itera-tively adds another ... based on index selection; Alter predicate placement based on **selectivity**; ...

optimizing query recursive selectivity value

Search Patents

Google Patent Search Help | Advanced Patent Search

Google Home - About Google - About Google Patent Search
©2007 Google



Web <u>Images</u> <u>Video</u> News <u>Maps</u>

optimizing query recursive estimating approxin Search Patents

Advanced Patent Seai

Patents

Patents 1 - 3 on optimizing query recursive estimating approximate. (0.24 seconds)

Database system with methods for performing cost-based estimates using spline histograms US Pat. 6012054 - Filed Oct 23, 1997 - Sybase, Inc.

The Optimizer is responsible for optimizing the query tree. The Optimizer performs a cost-based analysis for formulating a query execution plan. ...

Selectivity estimation for processing SQL queries containing having clauses US Pat. 6778976 - Filed Jan 10, 2001 - International Business Machines Corporation The preferred embodiment provides a mechanism for estimating the ... to carry out the approximate computation of P(hurdle, g) is to approximate the ...

Single-pass low-storage arbitrary probabilistic location estimation for massive data sets US Pat. 7076487 - Filed Apr 11, 2002 - The Penn State Research Foundation [I] Agrawal et al., System and Method For Query Optimization Using Quantile Values of a ... New Methods for Estimating Tail Probabilities and Extreme Value ...

optimizing query recursive estimating approxi

Search Patents

Google Patent Search Help | Advanced Patent Search

Google Home - About Google - About Google Patent Search ©2007 Google



Web Images Video News Maps more »

optimizing query recursive estimation tuples

Search Patents

Advanced Patent Sear Google Patent Search

Patents

Patents 1 - 3 on optimizing query recursive estimation tuples. (0.40 seconds)

Method of generating attribute cardinality maps

US Pat. 6865567 - Filed Jan 19, 2000

Constant number of records per block: The number of **tuples** in each file block is the same ... In order to increase the **estimation** accuracy, some modem **query** ...

System and methodology for generating bushy trees using a left-deep tree join enumeration algorithm

US Pat. 7184998 - Filed Jun 20, 2003 - Sybase, Inc.

The optimizer is responsible for **optimizing** algorithm in a relational database system. The methodology the **query** tree. The optimizer performs a cost-based ...

<u>Database system with methods for performing cost-based estimates using spline histograms</u> US Pat. 6012054 - Filed Oct 23, 1997 - Sybase, Inc.

The Optimizer is responsible for **optimizing** the **query** tree. ... an estimate assumes that there is uniform distribution of **tuples** within a given cell. ...

optimizing query recursive estimation tuples

Search Patents

Google Patent Search Help | Advanced Patent Search

Google Home - About Google - About Google Patent Search

©2007 Google



Web Images Video News Maps more »

optimizing query recursive estimation

Search Patents

Advanced Patent Sear Google Patent Search

Patents

Patents 1 - 7 on optimizing query recursive estimation. (0.27 seconds)

System and methodology for generating bushy trees using a left-deep tree join enumeration algorithm

US Pat. 7184998 - Filed Jun 20, 2003 - Sybase, Inc.

The optimizer is responsible for **optimizing** algorithm in a relational database system. The methodology the **query** tree. The optimizer performs a cost-based ...

<u>Database system with methodology for distributing query optimization effort over large search spaces</u>

US Pat. 6807546 - Filed May 8, 2003 - Sybase, Inc.

As described above by Lohmen (in "System for Adapting Query Optimization Effort to

... This is because errors in selectivity estimation are compounded. ...

Method of generating attribute cardinality maps

US Pat. 6865567 - Filed Jan 19, 2000

This **recursive** process is carried out until a stopping condition, ... In order to increase the **estimation** accuracy, some modem **query** optimizers incorporate ...

Database system with methods for performing cost-based estimates using spline histograms

US Pat. 6012054 - Filed Oct 23, 1997 - Sybase, Inc.

The Optimizer is responsible for **optimizing** the **query** tree. ... the incorrect **estimation** of 45 distribution, runs the risk of selecting a poor **query** plan. ...

System and methodology for join enumeration in a memory-constrained environment

US Pat. 6516310 - Filed Dec 6, 2000 - Sybase, Inc.

"Join enumeration" is a **recursive** process which itera- tively adds ... The first goal is to ensure that the chosen join strategy for any **query** is one which ...

System and method for dynamic data-mining and on-line communication of customized information

US Pat. 6266668 - Filed Aug 4, 1999 - Dryken Technologies, Inc.

When prediction/estimation is important, the neural network training algorithm

... (using all 3 levels—a recursive definition) link to the page in question. ...

Single-pass low-storage arbitrary probabilistic location estimation for massive data sets

US Pat. 7076487 - Filed Apr 11, 2002 - The Penn State Research Foundation

[I] Agrawal et al., System and Method For Query Optimization Using Quantile ...

Low-Storage Quantile Estimation, Computational Statistics, 10(4), 311-325. ...

optimizing query recursive estimation

Search Patents

Google Home - About Google - About Google Patent Search ©2007 Google



Web Images Video News Maps more »

optimizing query recursive statistics

Search Patents

Advanced Patent Search Google Patent Search

Patents

Patents 1 - 9 on optimizing query recursive statistics. (0.28 seconds)

Iterative dynamic programming system for query optimization with bounded complexity ... US Pat. 5671403 - Filed Dec 30, 1994 - International Business Machines Corporation 389-394, May, 1992) discuss the cost 15 efficient man optimizing over the ... identification of the "Recursive Query Answering with Non-Horn Clauses", ...

System and method for generating uniqueness information for optimizing an SQL query US Pat. 5890148 - Filed Dec 8, 1997 - International Business Machines Corporation and system-held statistics on SQL query are determined using a recursive process called the data to be accessed (the size of the table, the number of the ...

Evaluation strategy for execution of SQL queries involving recursion and table queues US Pat. 5546570 - Filed Feb 17, 1995 - International Business Machines Corporation and system held **statistics** on the data to be accessed (the size of the table, ... The DAG represents a **query** execution plan of a non-recursive SQL **query**. ...

Computer program product for enabling a computer to generate uniqueness information for ...

US Pat. 5696960 - Filed Jun 2, 1995 - International Business Machines Corporation

This step considers both the available access paths SQL query are determined using a recursive process called (indexes, sequential reads, etc. ...

Query optimization by sub-plan memoization

US Pat. 6850925 - Filed May 15, 2001 - Microsoft Corporation
US B2 5 when executed combine to produce the desired query output. initially ...
the execution plan 106 is made up of a at the start of **optimizing** a **query**, ...

Query optimization with switch predicates

US Pat. 6581055 - Filed Sep 11, 2000 - Oracle International Corporation
The optimization of a **query** expanded in the manner described herein may be dynamic or **recursive**. In other words, for a given **query** a first set of execution ...

System and method for filtering a document stream

US Pat. 6105023 - Filed Aug 18, 1997 - Dataware Technologies, Inc.

Document filtering is performed by using **recursive** inference to propagate ...

Document **statistics** are calculated once, when the **query** net 12 is added to the ...

Providing XML cursor support on an XML repository built on top of a relational database system

US Pat. 7013311 - Filed Sep 5, 2003 - International Business Machines Corporation In addition, for each **recursive** iteration, a current a transaction will not be ... A replace operation for an XML node or sub-tree an XML **query** defined in a ...

Method and system for parallel processing of database queries

US Pat. 6968335 - Filed Nov 14, 2002 - Sesint, Inc.

In effect, this recursive partitioning is analogous to a binary search, ...

may increase as more effort can be expended in optimizing the code of the ...

optimizing query recursive statistics Search Patents

Google Patent Search Help | Advanced Patent Search

Google Home - About Google - About Google Patent Search
©2007 Google

10/608,083 EIC/STIC Sevel

```
Set
       Items
                Description
S1
       262601
                DATABASE? OR DATABANK? OR DATA() (BASE? OR BANK? OR FILE? OR
              REPOSITOR? OR WAREHOUSE?) OR DB OR RDB OR OODB OR ODBC OR DB-
             MS OR RDBMS
         7687
                S1 (7N) TABLE?
S2
                FIELD? OR NODE? ? OR TUPLE? OR PROPERT? OR COLUMN? OR ATTR-
S3
      2227874
             IBUT?
S4
         3462
                S3(5N)(APPROXIMAT? OR (ROUGH? OR CLOSE? OR ROUND OR BALLPA-
             RK?) (2N) (ESTIMAT? OR COMPUT? OR DETERMIN? OR TOTAL? OR TABULA-
             T? OR CALCULAT? OR FIGUR? OR FORMULAT?))
S5
        19076
                QUERY? OR QUERIE? ?
S6
         1676
                S5(5N)(SELECT? OR SEL)
S7
                S5(5N)(SEPARAT? OR DISASSOCIAT? OR DIS()ASSOCIAT? OR ABSTR-
             ACTED OR PARTITION? OR DIVID?)
S8
                S5(5N)(PLAN??? ? OR CHART? OR OPTIMI? OR PRIORIT? OR ARRAN-
S9
        84596
                S3(5N) (COMPUT? OR DETERMIN? OR TOTAL? OR TABULAT? OR CALCU-
             LAT? OR ESTIMAT? OR FIGUR? OR ASSESS? OR ASCRIB? OR CREAT? OR
             FORMULAT?)
S10
                CARTESIAN (3N) PRODUCT? ?
S11
                (MORGAN OR DEMORGAN OR DE () MORGAN) (3N) (TRANSFORM? OR CONVE-
             R? OR ALTER? OR MODIF? OR FORMULAT?)
S12
         7687
                S1 AND S2
S13
                S12 AND S4 AND S8
            4
S14
          463
                S4 AND S9
S15
                S2 AND RELATIONAL AND S14
S16
                S15 NOT S13
S17
         1114
                S2 AND RELATIONAL
               S17 AND (CONDITION? OR TERM? ? OR RULE? ?) (2N) (MET OR MEET-
S18
             ??? OR AGREE? OR EVEN OR CONGRUEN?)
S19
                S18 AND S7
S20
                S7 AND (CONDITION? OR TERM? ? OR RULE? ?) (2N) (MET OR MEET?-
             ?? OR AGREE? OR EVEN OR CONGRUEN?)
           13
S21
                S17 AND S7
                S21 AND S8
S22
           6
S23
           22
                S18:S22
S24
                S14 AND S7
            1
S25
                S14 AND S10:S11
            1
S26
           5
                S9 AND S10
S27
           26
                S22:S26
           25
                S27 NOT S13
S28
           24
                S28 NOT (PR>2003 OR PR=2004:2007)
S29
                S14 AND (TUPLE? OR ATTRIBUT?)
S30
           41
                S30 AND S10
S31
           1
S32
           5
                S30 AND S2
S33
                S32 NOT S27
                S33 NOT S13
S34
            1
S35
            1
                S7 AND S6 AND S10
S36
            0
                S35 NOT S13
File 350: Derwent WPIX 1963-2006/UD=200724
         (c) 2007 The Thomson Corporation
File 347: JAPIO Dec 1976-2006/Dec (Updated 070403)
```

(c) 2007 JPO & JAPIO

Set	Items	Description
S1	262920	DATABASE? OR DATABANK? OR DATA() (BASE? OR BANK? OR FILE? OR
	F	REPOSITOR? OR WAREHOUSE?) OR DB OR RDB OR OODB OR ODBC OR DB-
•	MS	S OR RDBMS
S2	20670	S1 (7N) TABLE?
S3	1456674	FIELD? OR NODE? ? OR TUPLE? OR PROPERT? OR COLUMN? OR ATTR-
	IF	BUT?
S4	18690	S3(5N)(APPROXIMAT? OR (ROUGH? OR CLOSE? OR ROUND OR BALLPA-
	RI	(?)(2N)(ESTIMAT? OR COMPUT? OR DETERMIN? OR TOTAL? OR TABULA-
	T?	? OR CALCULAT? OR FIGUR? OR FORMULAT?))
S5	51284	QUERY? OR QUERIE? ?
S6	3726	S5(5N)(SELECT? OR SEL)
S7	1437	S5(5N)(SEPARAT? OR DISASSOCIAT? OR DIS()ASSOCIAT? OR ABSTR-
	AC	CTED OR PARTITION? OR DIVID?)
S8	1969	S5(5N)(PLAN??? ? OR CHART? OR OPTIMI? OR PRIORIT? OR ARRAN-
	G?	?)
S9	9580	CARTESIAN (2N) PRODUCT? ? OR CARTESIAN?
S10	74	(MORGAN OR DEMORGAN OR DE()MORGAN)(3N)(TRANSFORM? OR ALTER?
	C	OR CONVER? OR MODIF? OR FORMULAT?)
S11	12	S1 (100N) S2 (100N) S3:S4 (100N) S5:S6 (100N) S8 (100N) S9:S10
S12	8	S2(100N)S3(100N)S5(100N)S8(100N)S9:S10
S13	0	S12 NOT S11
File	348:EUROPE	EAN PATENTS 1978-2007/ 200715
	(c) 20	007 European Patent Office
File	349:PCT FU	JLLTEXT 1979-2007/UB=20070412UT=20070305
	(c) 20	007 WIPO/Thomson .
		•

```
Set
        Items
                Description
S1
      1179345
                DATABASE? OR DATABANK? OR DATA() (BASE? OR BANK? OR FILE? OR
              REPOSITOR? OR WAREHOUSE?) OR DB OR RDB OR OODB OR ODBC OR DB-
             MS OR RDBMS
         5449
                S1 (7N) TABLE?
S2
     13333076
S3
                FIELD? OR NODE? ? OR TUPLE? OR PROPERT? OR COLUMN? OR ATTR-
             IBUT?
S4
       140448
                S3(5N) (APPROXIMAT? OR (ROUGH? OR CLOSE? OR ROUND OR BALLPA-
             RK?) (2N) (ESTIMAT? OR COMPUT? OR DETERMIN? OR TOTAL? OR TABULA-
             T? OR CALCULAT? OR FIGUR? OR FORMULAT?))
S5
       143570
                QUERY? OR QUERIE? ?
S6
         3942
                S5(5N)(SELECT? OR SEL)
S7
         1417
                S5(5N)(SEPARAT? OR DISASSOCIAT? OR DIS()ASSOCIAT? OR ABSTR-
             ACTED OR PARTITION? OR DIVID?)
S8
                S5(5N)(PLAN??? ? OR CHART? OR OPTIMI? OR PRIORIT? OR ARRAN-
S9
      1005670
                S3(5N) (COMPUT? OR DETERMIN? OR TOTAL? OR TABULAT? OR CALCU-
             LAT? OR ESTIMAT? OR FIGUR? OR ASSESS? OR ASCRIB? OR CREAT? OR
             FORMULAT?)
S10
        44180
                CARTESIAN (3N) PRODUCT? ? OR CARTESIAN?
S11
          230
                 (MORGAN OR DEMORGAN OR DE() MORGAN) (3N) (TRANSFORM? OR ALTER?
              OR CONVER? OR MODIF? OR FORMULAT?)
        56817
S12
                S1:S2 AND RELATIONAL?
S13
           75
                S12 AND S4
S14
                S13 AND S8
            8
S15
           77
                S12 AND S7 AND S8
S16
           17
                S15 AND SEPARAT? (3N) (QUERY? OR QUERIE? ?)
                S16 AND S10:S11
S17
           0
S18
          167
                S12 AND S10:$11
S19
          130
                S18 AND RELATIONAL? (2N) DATABASE?
S20
                S19 AND S4 AND S8
           0
S21
           43
                S19 AND S8
                S21 AND (TUPLE? OR ATTRIBUT?)
S22
           14
                S22 NOT S14
S23
           14
            7
S24
                RD
                     (unique items)
                S12 AND S8 AND S11
S25
            0
                S21 NOT S22
           29
S26
S27
            0
                S26 AND S7
S28
            2
                S26 AND S6
S29
            7
                S6 AND S5 AND S8 AND S10
S30
           58
                S15 NOT (S14 OR S16 OR S22 OR S28)
                S30 AND S10:S11
S31
            2
S32
            0
                S30 AND S6 AND S10
S33
                S29 AND S12
            7
                S33 NOT (S14 OR S16 OR S22 OR S28)
S34
            1
       2:INSPEC 1898-2007/Apr W2
File
         (c) 2007 Institution of Electrical Engineers
File
       6:NTIS 1964-2007/Apr W2
         (c) 2007 NTIS, Intl Cpyrght All Rights Res
       8:Ei Compendex(R) 1884-2007/Apr W2
File
         (c) 2007 Elsevier Eng. Info. Inc.
      34:SciSearch(R) Cited Ref Sci 1990-2007/Apr W2
File
         (c) 2007 The Thomson Corp
File
      35: Dissertation Abs Online 1861-2007/Mar
          (c) 2007 ProQuest Info&Learning
File
      56: Computer and Information Systems Abstracts 1966-2007/Mar
         (c) 2007 CSA.
File
      60:ANTE: Abstracts in New Tech & Engineer 1966-2007/Mar
          (c) 2007 CSA.
File
      62:SPIN(R) 1975-2007/Apr W1
         (c) 2007 American Institute of Physics
```

File 65:Inside Conferences 1993-2007/Apr 16

(c) 2007 BLDSC all rts. reserv.

File 95:TEME-Technology & Management 1989-2007/Apr W3

(c) 2007 FIZ TECHNIK

File 99:Wilson Appl. Sci & Tech Abs 1983-2007/Mar

(c) 2007 The HW Wilson Co.

File 111:TGG Natl.Newspaper Index(SM) 1979-2007/Apr 11

(c) 2007 The Gale Group

File 144:Pascal 1973-2007/Apr W2

(c) 2007 INIST/CNRS

File 239:Mathsci 1940-2007/May

(c) 2007 American Mathematical Society

File 256:TecInfoSource 82-2007/Oct

(c) 2007 Info. Sources Inc

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec

(c) 2006 The Thomson Corp

File 583: Gale Group Globalbase (TM) 1986-2002/Dec 13

(c) 2002 The Gale Group





Home Bro	owse Search My Setting	gs Alerts Help			
Quick Search	Title, abstract, keywords		Author		e.ç
? search tips	Journal/book title		Volume	Issue	Page
17 Articles F	Found Edit Search S	Save Search s Search Alert Search Wi	ithin Results:		Go
pub-date > 199	6 and pub-date < 2003 and TIT	「LE-ABSTR-KEY(query)	and TITLE-ABSTR-K	EY(optimizing) ·
= Full-text a	vailable = Non-subscribed	What does this mean	an?		
Article List		ort by Date Sort by Relev E-mail Articles Export	•		
1	A two phase optimization to Journal of Systems and Softw Tae-Sun Chung and Hyoung- SummaryPlus Full Text + Lin	vare, Volume 64, Issue 3, [.] Joo Kim			
2. 🗔	An effective query pruning Journal of Systems and Softw Chang-Won Park and Chin-W SummaryPlus Full Text + Lin	vare, Volume 64, Issue 3, Van Chung			3
3. □	Optimizing execution of con Future Generation Computer Michael D. Beynon, Tahsin K SummaryPlus Full Text + Lin	Systems, Volume 18, Issu Jurc, Alan Sussman and Jo	ie 4, March 2002, Pa		•
■ 4. □	Wavelet transformation-bas processing Data & Knowledge Engineerii Moon Jeung Joe, Kyu-Young SummaryPlus Full Text + Lin	ing, Volume 39, Issue 3, De Whang and Sang-Wook h	ecember 2001, Pages		ted query
5. 🗀	New capabilities in the HEN Computer Physics Communic L. Bernardo, H. Nordberg, D. Porter, T. Wenaus, et al. Abstract Abstract + Referen	cations, Volume 140, Issue Olson, A. Shoshani, A. Si	es 1-2, 15 October 20	01, Pages 17	9-188
□ 6. □	Semantic information-base Information Sciences, Volume Faruk Polat, Ahmet Cosar an SummaryPlus Full Text + Li	e 137, Issues 1-4, Septem id Reda Alhajj			ion ·
7.	Optimization of web newsp Computer Networks, Volume J. González, I. Rojas, H. Pon SummaryPlus Full Text + Li	36, Issues 2-3, July 2001, nares, M. Salmerón, A. Pri	, <i>Pages 311-321</i> eto and J. J. Merelo		
■ 8. □	Optimizing storage utilizati	on in R-tree dynamic ind	lex structure for spa	itial database	·

P. W. Huang, P. L. Lin and H. Y. Lin SummaryPlus | Full Text + Links | PDF (267 K) Optimizing path query performance: graph clustering strategies 9. Transportation Research Part C: Emerging Technologies, Volume 8, Issues 1-6, February-December 2000, Pages 381-408 Yun-Wu Huang, Ning Jing and Elke A. Rundensteiner SummaryPlus | Full Text + Links | PDF (209 K) Architecture and quality in data warehouses: An extended repository approach **1**0. Information Systems, Volume 24, Issue 3, May 1999, Pages 229-253 Matthias Jarke, Manfred A. Jeusfeld, Christoph Quix and Panos Vassiliadis Abstract | Abstract + References | PDF (2508 K) Optimising the distributed execution of join queries in polynomial time 🖀 11. 🗀 Computers & Mathematics with Applications, Volume 37, Issue 3, February 1999, Pages 105-126 D. J. Reid Abstract | Abstract + References | PDF (1217 K) Partial deduction in disjunctive logic programming 12. The Journal of Logic Programming, Volume 32, Issue 3, September 1997, Pages 229-245 Chiaki Sakama and Hirohisa Seki Abstract | Abstract + References | PDF (917 K) Method to help in optimizing a query from a relational data base management system, and **1**3. 🗀 resultant method of syntactical analysis Laboratory Automation & Information Management, Volume 33, Issue 1, June 1997, Page 66 Michel Cadot PDF (91 K) Optimizing entity join queries when data transmission cost dominates 14. Data & Knowledge Engineering, Volume 22, Issue 3, May 1997, Pages 283-308 Pauray S. M. Tsai and Arbee L. P. Chen Abstract | Abstract + References | PDF (1281 K) Manipulation of exclusive disjunctive data in relational databases **1**5. 🗔 Data & Knowledge Engineering, Volume 22, Issue 1, March 1997, Pages 39-65 Jui-Shang Chiu and Arbee L. P. Chen Abstract | Abstract + References | PDF (1623 K) A web-based decision support system for waste disposal and recycling 16. Ti Computers, Environment and Urban Systems, Volume 21, Issue 1, January 1997, Pages 47-65 Hermant K. Bhargava and Clay Tettelbach Abstract | Abstract + References | PDF (1566 K) A processing framework for object comprehensions 17. 🗀 Information and Software Technology, Volume 39, Issue 9, 1997, Pages 641-651 Daniel K. C. Chan and Philip W. Trinder Abstract | Abstract + References | PDF (1250 K) Edit Search | Save Search | Save as Search Alert 17 Articles Found pub-date > 1996 and pub-date < 2003 and TITLE-ABSTR-KEY(query) and TITLE-ABSTR-KEY(optimizing)



Home

Browse

Search

About ScienceDirect | Contact Us | Terms & Conditions | Privacy Policy

Alerts

My Settings

Help



Home	Browse	Search	My Setti	ngs Al	erts	Help							
Quick Sea	rch Title,	abstract, ke	eywords					Author [e.ç
? search	tips	Journal/b	ook title				,	Volume [Issue		Page [
17 Article	es Found	E	dit Search Save		•	Search W	/ithin R	esults:					Go 🕣
pub-date >	1996 and p	ub-date < 2	2003 and T	TLE-ABS	TR-KE	Y(query)	and TI	ΓLE-ABS	TR-KE	Y(statistic	s)		
= Full-te	ext available	= Non	-subscribed	(2) W	nat doe	es this mea	an?	•					
Article		Full Abstr	_			ort by Rele							
4		y Selected A				Export	Citation	S					
1.	J Electro Bernd	onic Notes i Finkbeiner	itics over F in Theoretion, Sriram Sa ct + Referer	cal Compu nkaranara	<i>iter Sc</i> iyanan	ience, Volu and Henn	ume 70 ny Sipm	, Issue 4 na	, Decer	nber 2002	?, Pag	es 1-19	1
2.	^J <i>Patteri</i> Mingjir	<i>n Recogniti</i> ng Li, Zhen	l ation anal ion, <i>Volume</i> g Chen and ull Text + L	35, Issue I Hong-Jia	: 12, <i>D</i> ing Zh:	<i>ecember 2</i> ang	2002, P	ages 268	87-2693	1			
■ 3. □	' Omega Timon	a, <i>Volume :</i> C. Du, Fu-	Bootstrap 30, Issue 5, Kwun Wan ull Text + L	. <i>October :</i> g and Jen	2002, <i>l</i> -Chuai	P <i>ages 367</i> n Ro	d data 7-379	perturba	ation in	statistica	al dat	abase	
□ 4. ┌	Annals Michae	s <i>of Vascula</i> el S. Conne el R. Money	ification In ar Surgery, ers III, Britt	Volume 1	6, Issu	e 5, Septe	ember 2	2002, Pag	ges 550	-555		oselevit	z and
5.	ⁱ <i>Data &</i> Kian-L	<i>Knowledg</i> ee Tan, Pir	oin proces re Engineer n Kwang Er ull Text + L	<i>ing, Volun</i> ng, Beng C	ne 40, Chin O	Issue 2, Fe oi and Min	ebruary	2002, P	Pages 2	17-239			
6. □	' Compu Shane	uters and E Runquist,	a field-leve lectronics i Naiqian Zh ull Text + L	n <i>Agricultu</i> ang and R	<i>ire, Vo</i> landy l	<i>lume 31, I</i> K. Taylor	n syste Issue 2,	m , April 20	01, Pag	es 201-20	09		
1 7.	Speec Pierre	<i>h Commun</i> Jourlin, Su	n t represe ication, Vol e E. Johnso ull Text + L	ume 32, Is on, Karen	s <i>sues</i> Spärcl	1-2, Septe	mber 2	000, Pag	ges 21-3 odland	36			
8.	databa	ases	patent sea				_				on-l	ine	

Paul Schwander SummaryPlus | Full Text + Links | PDF: (2681 K) SwingStations: a web-based client tool for the Baltic environmental database 9. Computers & Geosciences, Volume 25, Issue 7, August 1999, Pages 863-871 Alexander Sokolov and Fredrik Wulff SummaryPlus | Full Text + Links | PDF (306 K) Color image retrieval using hybrid graph representation **1**0. 🗀 Image and Vision Computing, Volume 17, Issue 7, May 1999, Pages 465-474 In Kyu Park, II Dong Yun and Sang Uk Lee Abstract | PDF (1211 K) A probabilistic approach to navigation in Hypertext 11. 🗔 Information Sciences, Volume 114, Issues 1-4, March 1999, Pages 165-186 Mark Levene and George Loizou Abstract | Abstract + References | PDF (1239 K) Parallel Construction and Query of Index Data Structures for Pattern Matching on Square 12. Journal of Complexity, Volume 15, Issue 1, March 1999, Pages 30-71 Raffaele Giancarlo and Roberto Grossi Abstract | Abstract + References | PDF (496 K) Performing automatic exams ■ 13. 「I Computers & Education, Volume 31, Issue 3, November 1998, Pages 281-300 G. Frosini, B. Lazzerini and F. Marcelloni SummaryPlus | Full Text + Links | PDF (3357 K) Specification and Simulation of Statistical Query Algorithms for Efficiency and Noise Tolerance **1**4. 🗀 Journal of Computer and System Sciences, Volume 56, Issue 2, April 1998, Pages 191-208 Javed A. Aslam and Scott E. Decatur Abstract | Abstract + References | PDF (612 K) Implementing a generalized tool for network monitoring **1**5. 🗀 Information Security Technical Report, Volume 3, Issue 4, 1998, Pages 53-64 Marcus J. Ranum, Kent Landfield, Mike Stolarchuk, Mark Sienkiewicz, Andrew Lambeth and Eric Wall Abstract | Abstract + References | PDF (1054 K) A cost model for sort-domain traversal strategy in object-oriented databases **16.** [7] Journal of Systems Architecture, Volume 43, Issues 1-5, March 1997, Pages 277-283 Kim Hyeokman, Lee Sukho and Kim Hyoung-Joo Abstract | PDF (305 K) Indexing pictorial documents by their content: a survey of current techniques **II** 17. 🗀 Image and Vision Computing, Volume 15, Issue 2, February 1997, Pages 119-141 M. De Marsicoi, L. Cinque and S. Levialdi Abstract | Abstract + References | PDF (17745 K) 17 Articles Found Edit Search | Save Search | Save as Search Alert pub-date > 1996 and pub-date < 2003 and TITLE-ABSTR-KEY(query) and TITLE-ABSTR-KEY(statistics) Home Browse Search My Settings Alerts Help



About ScienceDirect | Contact Us | Terms & Conditions | Privacy Policy

Copyright © 2007 Elsevier B.V. All rights reserved. ScienceDirect® is a registered trademark of Elsevier B.V.

Approximately **141** results found in the Worldwide database for: **database** in the title AND **optimizing** in the title or abstract (Results are sorted by date of upload in database)

11 METHOD FOR OPTIMIZING POST PROCESS OF SUB SEQUENCE MATCHING IN TIME SERIES DATABASE

Inventor: CHOI WAN (KR); KIM SANG UK (KR); (+2) Applicant: KOREA ELECTRONICS TELECOMM (KR)

EC: IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: KR20030030514 - 2003-04-18

12 System and method of optimizing database queries in two or more

dimensions

Inventor: SMARTT BRIAN E (US)

Applicant:

EC: G06F17/30L IPC: G06F17/30; G06F17/30

Publication info: US2006184519 - 2006-08-17

13 COMPUTER SYSTEM, COMPUTER, DATABASE ACCESS METHOD, AND DATABASE SYSTEM

Inventor: NEMOTO NAOICHI; NISHIKAWA NORIFUMI; Applicant: HITACHI LTD

(+1)

EC: G06F17/30S8R; G06F17/30S4P3T3; (+1) IPC: G06F12/00; G06F3/06; G06F12/00 (+1)

Publication info: JP2006127418 - 2006-05-18

14 System and method for the optimization of database acess in data base networks

TICKWOINS

Inventor: BOUKOBZA ERIC (IL) Applicant:

EC: IPC: G06F17/30; G06F17/30

Publication info: US2006167883 - 2006-07-27

15 Optimizing database queries using query execution plans derived from automatic summary table determining cost based queries

Inventor: LEUNG TING YU (US); SIMMEN DAVID E Applicant: IBM (US)

(US); (+1)

EC: IPC: G06F17/30; G06F17/30

Publication info: US7080062 - 2006-07-18

16 Database System and Methodology for Generalized Order Optimization

Inventor: YOUNG-LAI MATTHEW (CA); NICA ANISOARA Applicant: IANYWHERE SOLUTIONS INC (US)

(CA)

EC: G06F17/30H6 IPC: G06F17/30; G06F17/30

Publication info: US2006136368 - 2006-06-22

17 Technique for determining an optimal number of tasks in a parallel database loading system with memory constraints

Inventor: GARTH JOHN MARLAND (US); RUDDY JAMES Applicant: IBM (US)

ALAN (US); (+1)

EC: G06F17/30S2P; G06F9/46A2M IPC: G06F9/46; G06F9/50; G06F17/30 (+2)

Publication info: US7058952 - 2006-06-06

18 DATABASE MANAGEMENT SYSTEM, METHOD FOR OPTIMIZING PAGE ARRANGEMENT IN THE SYSTEM, AND DATABASE MANAGEMENT PROGRAM

Inventor: IDE SHUNICHI Applicant: TOKYO SHIBAURA ELECTRIC CO; TOSHIBA

SOLUTIONS CORP

EC: IPC: G06F12/00; G06F12/08; G06F12/00 (+1)

Publication info: JP2006106895 - 2006-04-20

19 Database tuning advisor

Inventor: RAIZMAN ALEXANDER (US); MARATHE Applicant: MICROSOFT CORP (US)

ARUNPRASAD P (US); (+9)

EC: G06F17/30B

IPC: G06F17/30; G06F17/30

Publication info: US2006085484 - 2006-04-20

20 Database optimizing method

Inventor: XIE NING BI (CN)

EC:

Applicant: HUAWEI TECH CO LTD (CN)

IPC: G06F17/30; G06F17/30

Publication info: CN1744079 - 2006-03-08

Approximately **141** results found in the Worldwide database for: **database** in the title AND **optimizing** in the title or abstract (Results are sorted by date of upload in database)

21 DATABASE USEFUL FOR CONFIGURING AND/OR OPTIMIZING SYSTEM, AND METHOD FOR GENERATING THE DATABASE

Inventor: SOERENSEN MOELLER GERT LYKKE; JENSEN Applicant: ARRAY TECHNOLOGY APS

CLAUS ERIK

EC: G06F17/30S1R; G06F17/50

IPC: G06N5/04; G06F17/30; G06F17/50 (+3)

Publication info: JP2006059364 - 2006-03-02

22 Apparatus and method for optimizing a union database query

Inventor: SANTOSUOSSO JOHN M (US)

Applicant: IBM (US)

EC: G06F17/30S4P3T4; G06F17/30S4P4P3

IPC: G06F17/30; G06F7/00; G06F7/00 (+1)

Publication info: US2006064407 - 2006-03-23

23 Method and apparatus for optimizing execution of database queries containing user-defined functions

Inventor: DAY PAUL R (US); MURAS BRIAN R (US)

Applicant: IBM (US)

EC: G06F17/30H6

IPC: G06F17/30; G06F17/30

Publication info: **US2006026116** - 2006-02-02

24 Arrangement and method for optimizing performance and data safety

in a highly available database system

Inventor: PARKKINEN JARMO (FI); WOLSKI ANTONI (FI)

Applicant:

EC:

IPC: G06F17/00; G06F17/00; (IPC1-7): G06F17/00

Publication info: US2005283522 - 2005-12-22

25 SYSTEM AND METHOD FOR OPTIMIZING ROW LEVEL DATABASE SECURITY

Inventor: CHANDER GIRSH; HAMILTON JAMES R; (+3) Applicant: MICROSOFT CORP

EC: G06F21/00N9A2D

IPC: G06F21/24; G06F17/30; G06F21/00 (+4)

Publication info: JP2005228312 - 2005-08-25

26 System and method for performing a query in a computer system to retrieve data from a database

Inventor: HRLE NAMIK (DE); SCHUETZNER JOHANNES Applicant: IBM (US)

(DE)

EC: G06F17/30T2P9; G06F17/30T2P4P

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US2005065921 - 2005-03-24

27 Database management program, a database managing method and an apparatus therefor

Inventor: SEKI YUMIKO (JP); KAMEDA MASAMI (JP);

Applicant: HITACHI LTD (US)

(+2) EC:

Publication info: US2005033779 - 2005-02-10

IPC: G06F7/00; G06F7/00; (IPC1-7): G06F7/00

28 Optimizing execution of a database query by using the partitioning schema of a partitioned object to select a subset of partitions from another partitioned object

Inventor: SHANKAR SHRIKANTH (US); SHUKLA VIKRAMApplicant:

(UŞ) EC:

.....

IPC: G06F7/00; G06F7/00; (IPC1-7): G06F7/00

Publication info: **US2005251511** - 2005-11-10

29 Database System with Methodology for Automated Determination and Selection of Optimal Indexes

Inventor: FARRAR DANIEL J (CA); NICA ANISOARA

Applicant: SYBASE INC (US)

(CA)

EC:

IPC: G06F17/00; G06F17/00; (IPC1-7): G06F17/00

Publication info: US2005203940 - 2005-09-15

30 Cost-based optimizer for an XML data repository within a database

Inventor: GE FEI (US); CHANDRASEKAR

Applicant: ORACLE INT CORP (US)

SIVASANKARAN (US); (+3)

EC:

IPC: G06F17/00; G06F17/00; (IPC1-7): G06F17/00

Publication info: **US2005240624** - 2005-10-27

Approximately **141** results found in the Worldwide database for: **database** in the title AND **optimizing** in the title or abstract (Results are sorted by date of upload in database)

31 Method, system and program for optimizing compression of a workload processed by a database management system

Inventor: LIGHTSTONE SAM S (CA); LOHMAN GUY M Applicant: IBM (US)

(US); (+4)

Publication info: US2005192978 - 2005-09-01

32 SYSTEM AND METHOD FOR THE OPTIMIZATION OF DATABASE ACESS IN DATA BASE NETWORKS

Inventor: BOUKOBZA ERIC (IL); NISSENBOIM YORAM Applicant: ACTIVE BASE LTD (IL); BOUKOBZA ERIC

(IL); (+1)

EC: H04L29/08N9A; G06F17/30B; (+1) IPC: G06F17/30; H04L29/06; H04L29/14 (+4)

Publication info: WO2004036344 - 2004-04-29

33 Method and system for optimizing database performance

Inventor: GUPTA SANJAY (US) Applicant: IBM (US)

EC: G06F17/30B IPC: G06F17/30; G06F17/30; (IPC1-7): G06F7/00

Publication info: US2005049992 - 2005-03-03

34 DATABASE MANAGING SYSTEM AND QUERY OPTIMIZING METHOD

Inventor: UYAMA KIMITAKA; FUJITSUKA KINYA; (+2) Applicant: NTT DATA CORP

EC: IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: JP2005018430 - 2005-01-20

35 Methods and systems for optimizing queries through dynamic and autonomous database schema analysis

Inventor: BOLSIUS ROGER (US); MALANEY KEVIN (US) Applicant: ORACLE INT CORP (US)

Publication info: US2004243555 - 2004-12-02

36 Maintenance assisting apparatus for complex system e.g. avionics, marine equipment, missiles or rockets, comprises system for setting up hierarchical database representative of system to be maintained

Inventor: TEYCHENE CHRISTIAN Applicant: EADS LAUNCH VEHICLES (FR)

EC: IPC: **B64F5/00**; B64F5/00; (IPC1-7): G06F17/60

(+1)

Publication info: FR2854970 - 2004-11-19

37 METHOD OF PRODUCING A DATABASE HAVING INPUT FROM A SCANNED DOCUMENT

Inventor: JANSONS GIRTS (CA); TIGWELL ROB (CA) Applicant: JANSONS GIRTS (CA); TIGWELL ROB (CA)

EC: G06F17/30M1E; G06F17/30T; (+1) . IPC: G06F17/30; G06K9/20; G06F17/30 (+3)

Publication info: CA2427468 - 2004-11-02

38 Method for predicting quality characteristic of polymer uses database containing molecular mass distribution and quality characteristic for different polymerization conditions

Inventor: HECKER MARTIN (DE); MAEHNER CHRISTIAN Applicant: BAYER AG (DE)

(DE)

EC: G01N33/44; G01N33/44; (IPC1-7): G01N33/44

Publication info: DE10305579 - 2004-08-19

39 Method, system, and program for optimizing database query execution

Inventor: ALLEN TERRY DENNIS (US); DESAI Applicant: IBM (US)

PARAMESH S (US); (+3)

EC: G06F17/30S2P9 IPC: G06F7/00; G06F17/30; G06F7/00 (+2)

Publication info: US2004148273 - 2004-07-29

40 OPTIMIZING DATABASE QUERY PERFORMANCE BY DERIVING QUERY PREDICATES

Inventor: MALKEMUS TIMOTHY RAY (US); KOO FRED Applicant: IBM (US)

(CA)

EC: G06F17/30S4P3T2

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: CA2416368 - 2003-10-16

Approximately 126 results found in the Worldwide database for: database in the title AND optimizing in the title or abstract (Results are sorted by date of upload in database)

Fast and robust optimization of complex database queries

Inventor: LIN EILEEN TIEN (US); LOHMAN GUY MARINGApplicant:

(US)

EC: G06F17/30S4P3T5J; G06F17/30S4P3T5S

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US2004122798 - 2004-06-24

42 System and method of optimizing database queries in two or more

dimensions

Inventor: SMARTT BRIAN E (US)

EC: G06F17/30M1S

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F7/00

Publication info: US2003187867 - 2003-10-02

43 SYSTEM FOR ASSIGNING DATABASE TABLE PRIMARY KEY

Inventor: SEKIHARA YASUO

Applicant: CANON KK

EC:

IPC: G06F17/30; G06F12/00; G06F17/30 (+3)

Publication info: JP2004133573 - 2004-04-30

44 Distinct sampling system and a method of distinct sampling for a

database

Inventor: GIBBONS PHILLIP B (US)

Applicant: LUCENT TECHNOLOGIES INC (US)

EC: G06F17/30S4P8A; G06F17/30S4P3T3; (+1)

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US2004049492 - 2004-03-11

45 Apparatus and method for refreshing a database query

Inventor: CARLSON DAVID GLENN (US); KATHMANN

Applicant: IBM (US)

KEVIN JAMES (US)

EC: G06F17/30S4P3T5; G06F17/30S4P3T6

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US2003229621 - 2003-12-11

46 METHOD OF FACILITATING DATABASE ACCESS

Inventor: SHRINGERI SANJATHA; HSU JOY

Applicant: INFORMATICA CORP (US)

EC: G06F17/30S4P4P3J; G06F17/30S4P7R

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: WO02103575 - 2002-12-27

DATABASE SYSTEM AND ITS MATCHING CONTROL METHOD

Inventor: IDOGAWA AKIRA; TAKEGAWA HIROSHI;

Applicant: RICOH KK

(+4)EC:

Publication info: JP2004013228 - 2004-01-15

IPC: G06F17/30; G06F12/00; G06F17/30 (+3)

48 MOVING PICTURE ENCODING CONTROLLER AND MOVING PICTURE ENCODING CONTROL DATABASE CREATING APPARATUS

Inventor: MORI MASASHI; NAKAOKA KUNIO; (+2)

Applicant: MITSUBISHI ELECTRIC CORP

EC: H04N7/26A4P; H04N7/26A6W

IPC: H04N7/32; G03C1/00; G06T1/00 (+8)

Publication info: JP2003274408 - 2003-09-26

Method and mechanism for extending native optimization in a database system

Inventor: AGARWAL NIPUN (US); DAS DINESH (US);

Applicant:

(+4)

EC: G06F17/30S4P3T6

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F7/00

Publication info: US2003009446 - 2003-01-09

Storage apparatus acquiring static information related to database management system

Inventor: MOGI KAZUHIKO (JP); OEDA TAKASHI (JP); Applicant:

(+1)

EC: G06F17/30B

IPC: G06F12/08; G06F3/06; G06F12/00 (+6)

Publication info: US2003093442 - 2003-05-15

Approximately **126** results found in the Worldwide database for: **database** in the title AND **optimizing** in the title or abstract (Results are sorted by date of upload in database)

51 DATABASE MANAGING SYSTEM

Inventor: HIRAOKA TAKUYA; IKEDA TETSUYA; (+2) Applicant: RICOH KK

EC: IPC: G06F12/00; G06F12/00; (IPC1-7): G06F12/00

Publication info: JP2003248603 - 2003-09-05

52 Database optimization apparatus and method

Inventor: ARNOLD JEREMY ALAN (US); BARSNESS ERICApplicant: IBM (US)

LAWRENCE (US); (+2)

EC: G06F17/30B IPC: G06F17/30; G06F17/30; (IPC1-7): G06F7/00

Publication info: US2003154216 - 2003-08-14

53 Database management program, a database managing method and an

apparatus therefor

Inventor: SEKI YUMIKO (JP); KAMEDA MASAMI (JP); Applicant:

(+2)

EC: G06F17/30B IPC: G06F11/34; G06F7/00; G06F12/00 (+6)

Publication info: US2002116364 - 2002-08-22

54 Method and apparatus for optimizing a security database for a self-

service checkout system

Inventor: TAYLOR BRIAN (US); ALLARD JOHN (US)

Applicant:

EC: G07G1/00C2D; G07G1/14B IPC: G07G1/00; G07G1/14; G07G1/00 (+3)

Publication info: US2003126019 - 2003-07-03

55 Methods and apparatus for database transaction queuing

Inventor: ROBISON TERRY (US) , Applicant:

EC: G06F17/30B IPC: G06F17/30; G06F17/30; (IPC1-7): G06F7/00

Publication info: US2003115168 - 2003-06-19

56 DATABASE CONSTITUTING METHOD AND DATABASE CONSTITUTING DEVICE

Inventor: ASADA KAZUSHIGE . Applicant: RICOH KK

EC: IPC: G06F17/30; G06F12/00; G06F17/30 (+3)

Publication info: JP2003140935 - 2003-05-16

57 Integrated database system and program storage medium

Inventor: USHIJIMA KAZUTOMO (JP); NISHIZAWA Applicant:

ITARU (JP); (+1)

EC: G06F17/30S4P3T6; G06F19/00C9 IPC: G06F17/30; G06F19/00; G06F17/30 (+2)

Publication info: US2002120618 - 2002-08-29

58 SINGLE-PATIENT DRUG TRIALS USED WITH ACCUMULATED DATABASE

Inventor: REITBERG DONALD P (US)

Applicant: OPT E SCRIP INC (US); REITBERG DONALD P

(US)

Ec: G06F19/00M1; G06F19/00C; (+2) IPC: G06F19/00; G06Q10/00; G06F19/00 (+4)

Publication info: WO0206826 - 2002-01-24

59 Single-patient drug trials used with accumulated database: flowchart

Inventor: REITBERG DONALD P (US)

Applicant:

EC: G06F19/00M3M; A61K49/00H; (+1) IPC: A61K49/00; G06F19/00; A61K49/00 (+3)

Publication info: **US2002192159** - 2002-12-19

60 Single-patient drug trials used with accumulated database: risk of

habituation

Inventor: REITBERG DONALD P (US)

Applicant:

EC: G06F19/00C; G06F19/00M1; (+2)

IPC: G06F19/00; G06Q10/00; G06F19/00 (+4)

Publication info: US2002032581 - 2002-03-14

Approximately 126 results found in the Worldwide database for: database in the title AND optimizing in the title or abstract (Results are sorted by date of upload in database)

Single-patient drug trials used with accumulated database; genomic markers

Inventor: REITBERG DONALD P (US)

Applicant:

EC: G06F19/00C; G06F19/00M1; (+1)

IPC: G06F19/00; G06Q10/00; G06F19/00 (+4)

Publication info: US2002038310 - 2002-03-28

62 Optimizing updatable scrollable cursors in database systems

Inventor: GORALWALLA IQBAL A (CA); WINER MICHAELApplicant:

J (CA); (+2)

EC: G06F17/30B

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F7/00

Publication info: US2002042788 - 2002-04-11

63 System and method of optimizing queries in a database

Inventor: HARVEY RICHARD H (US)

Applicant: COMPUTER ASS THINK INC (US)

EC: G06F17/30S; G06F17/30S4P3T2

IPC: G06F12/00; G06F17/30; G06F12/00 (+2)

Publication info: CN1505789 - 2004-06-16

64 Method and system for high performance transaction processing using a relational database management system

Inventor: CAMERON DUCAN (US); HUSTED JOHN (US); Applicant:

(+3)

EC: G06F17/30S8R; G06F17/30B

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F7/00

Publication info: US2002174136 - 2002-11-21

65 Method for optimizing the performance of a database

Inventor: DELO JOHN C (US)

Applicant:

EC: G06F9/445N; G06F17/30B

IPC: G06F9/445; G06F17/30; G06F9/445 (+2)

Publication info: US2001032199 - 2001-10-18

66 Optimizing database entries

Inventor: GRIFFIN JAMES (GB); TAN SAY BENG (SG)

Applicant:

EC: G06F17/30W1F

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F7/00

Publication info: US2002062308 - 2002-05-23

67 METHOD AND DEVICE FOR MANAGING DATABASE

Inventor: ASADA KAZUSHIGE; TAKEGAWA HIROSHI;

Applicant: RICOH KK

(+3)

EC:

IPC: G06F17/30; G06F12/00; G06F17/30 (+3)

Publication info: JP2002149450 - 2002-05-24

68 METHODS FOR COLLIGATION AND LINKING OF RELATIONS IN A DATABASE USEFUL FOR CONFIGURING AND/OR OPTIMIZING A SYSTEM

Inventor: MOELLER GERT LYKKE SOERENSEN (DK);

Applicant: ARRAY TECHNOLOGY APS (DK); MOELLER

JENSEN CLAUS ERIK (DK)

GERT LYKKE SOERENSEN (DK); (+1)

EC: G06F17/50

IPC: G06F17/50; G06F17/50; (IPC1-7): G06F17/30

Publication info: WO0122278 - 2001-03-29

69 Query transformation and simplification for group by gueries with rollup/grouping sets in relational database management systems

Inventor: LEUNG TING YU (US); WANG HAIXUN (US) Applicant: IBM (US)

EC: G06F17/30S4P3T2; G06F17/30S4P3T5

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

(+1)

Publication info: US6574623 - 2003-06-03

70 Method and system for managing documents in a system using at least one database

Inventor: DAVID ANJA (DE)

EC: G06F17/30F

Publication info: **US6801902** - 2004-10-05

Applicant: WINRECHTE GBMH (DE)

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

(+1)

3 results found in the Worldwide database for: **optimizing** in the title AND **query and estimate** in the title or abstract (Results are sorted by date of upload in database)

1 Method, system and program for optimizing compression of a workload processed by a database management system

Inventor: LIGHTSTONE SAM S (CA); LOHMAN GUY M

Applicant: IBM (US)

(US); (+4)

EC: G06F17/30S4P3T4

IPC: G06F7/00; G06F7/00; (IPC1-7): G06F7/00

Publication info: US2005192978 - 2005-09-01

2 Distinct sampling system and a method of distinct sampling for a database

Inventor: GIBBONS PHILLIP B (US)

Applicant: LUCENT TECHNOLOGIES INC (US)

EC: G06F17/30S4P8A; G06F17/30S4P3T3; (+1)

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US2004049492 - 2004-03-11

3 OPTIMIZING DEVICE HAVING NEURAL NETWORK EVALUATING DEVICE

Inventor: LAKSHMI SEETHA M; ZHOU SHAOYU

Applicant: INFORMIX SOFTWARE INC

EC: G06F17/30S4P3T5S IPC: G06F15/18; G06F12/00; G06F17/30 (+8)

Publication info: JP11175566 - 1999-07-02

2 results found in the Worldwide database for: estimating in the title AND query and optimizing in the title or abstract (Results are sorted by date of upload in database)

1 Sampling method for estimating co-occurrence counts

Inventor: MEEK CHRISTOPHER A (US); KADIE CARL M Applicant: MICROSOFT CORP (US)

(US)

EC: G06F17/30S4P8A

IPC: G06F17/30; G06F17/30

Publication info: US2006184572 - 2006-08-17

2 METHOD AND DEVICE FOR ESTIMATING NUMBER OF SINGULRA VALUES OF DATA BASE

Inventor: WEIPENG YAN

Applicant: INFORMIX SOFTWARE INC

EC: G06F17/30S4P3T5S; G06F17/30S4P8A

IPC: G06F12/00; G06F17/30; G06F12/00 (+3)

Publication info: JP11134366 - 1999-05-21

1 result found in the Worldwide database for: **estimating** in the title AND **optimizing and database** in the title or abstract (Results are sorted by date of upload in database)

1 Sampling method for estimating co-occurrence counts

Inventor: MEEK CHRISTOPHER A (US); KADIE CARL M Applicant: MICROSOFT CORP (US)

(US)

EC: G06F17/30S4P8A

IPC: G06F17/30; G06F17/30

Publication info: US2006184572 - 2006-08-17

3 results found in the Worldwide database for: optimize in the title AND query in the title or abstract (Results are sorted by date of upload in database)

System and method to optimize database access by synchronizing state based on data access patterns

Inventor: HILL JUSTIN H (US); HOGSTROM MATT R

Applicant: IBM (US)

(US); (+2)

EC:

IPC: G06F17/30; G06F17/30

Publication info: US2006230019 - 2006-10-12

2 Systems and methods that optimize row level database security

Inventor: COMEAU ALAIN C (US); CHANDER GIRISH

Applicant: MICROSOFT CORP (US)

(US); (+4)

EC: G06F21/00N9A2D

IPC: G06F21/24; G06F17/30; G06F21/00 (+3)

Publication info: EP1564620 - 2005-08-17

3 Method and system for generating SQL joins to optimize performance

Inventor: FOCAZIO ROBYN L (US); MARAPPAN KUMAR Applicant: IBM (US)

(US); (+2)

EC: G06F17/30S8R; G06F17/30S4P3T2

IPC: G06F7/00; G06F7/00; (IPC1-7): G06F7/00

Publication info: US2005091199 - 2005-04-28

6 results found in the Worldwide database for:

query in the title AND plans and estimate in the title or abstract

(Results are sorted by date of upload in database)

Query optimization by sub-plan memoization

Inventor: CHAUDHURI SURAJIT (US); ABOULNAGA

ASHRAF I (US)

EC: G06F17/30S4P3T5S

Applicant: MICROSOFT CORP (US)

Applicant: MICROSOFT CORP (US)

Applicant:

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F7/00

Publication info: US2005033730 - 2005-02-10

Estimating the compilation time of a query optimizer

Inventor: GAO DENGFENG (US); ILYAS IHAB F (US);

(+3)

EC: G06F17/30S4P3T6

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US2005071331 - 2005-03-31

Use of statistic on view in query optimization

Inventor: GALINDO-LEGARIA CESAR A (US); JOSHI

MILIND M (US)

EC: G06F17/30S4P3T5; G06F17/30S4P8A

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US2005050041 - 2005-03-03

Database system with methodology providing improved cost estimates

for query strategies

Inventor: SEPUTIS EDWIN ANTHONY (US)

Applicant: SYBASE INC (US)

EC: G06F17/30S4P3T5; G06F17/30S4P3T5S

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US6353826 - 2002-03-05

Identifying essential statistics for query optimization for databases

Inventor: CHAUDHURI SURAJIT (US); NARASAYYA

VIVEK (US)

Applicant: MICROSOFT CORP (US)

EC: G06F17/30S4P3T5; G06F17/30S4P3T5S; (+1)

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US6363371 - 2002-03-26

System for adapting query optimization effort to expected execution time

Inventor: LOHMAN GUY M (US); ONO KIYOSHI (US);

Applicant: IBM (US)

(+1)

EC: G06F17/30S4P3T5; G06F17/30S4P3T6

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F15/40

Publication info: US5301317 - 1994-04-05

20 results found in the Worldwide database for: relational in the title AND optimizing in the title or abstract (Results are sorted by date of upload in database)

Methods and systems for optimizing searches within relational databases having hierarchical data

Inventor: GOH SWEEFEN (US); MIHAILA GEORGE A

Applicant: IBM (US)

(US); (+1)

EC:

IPC: G06F7/00; G06F7/00

Publication info: US2007005612 - 2007-01-04

Method, computer program product, and system of optimized data translation from relational data storage to hierarchical structure

Inventor: ZHOU NIANJUN (US); MIHAILA GEORGE A Applicant: IBM (US)

(US); (+2)

EC: G06F17/30S8R

IPC: G06F17/00; G06F17/30; G06F17/00 (+2)

Publication info: US2005138073 - 2005-06-23

Method and system for high performance transaction processing using a relational database management system

Inventor: CAMERON DUCAN (US); HUSTED JOHN (US); Applicant:

(+3)

EC: G06F17/30S8R; G06F17/30B

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F7/00

Publication info: US2002174136 - 2002-11-21

Query transformation and simplification for group by queries with rollup/grouping sets in relational database management systems

Inventor: LEUNG TING YU (US); WANG HAIXUN (US) Applicant: IBM (US)

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30 EC: G06F17/30S4P3T2; G06F17/30S4P3T5

(+1)

Publication info: US6574623 - 2003-06-03

CUBE INDICES FOR RELATIONAL DATABASE MANAGEMENT SYSTEMS

Inventor: COCHRANE ROBERTA JO (US); LAPIS

Applicant:

GEORGE (US); (+4)

EC: G06F17/30S8R; G06F17/30S4P3T3

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F7/00

Publication info: US2002138460 - 2002-09-26

Query optimization by transparently altering properties of relational tables using materialized views

Inventor: COCHRANE ROBERTA JO (US); LAPIS

Applicant: IBM (US)

GEORGE (US); (+6)

EC: G06F17/30S8R; G06F17/30S4P3T3

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US6339769 - 2002-01-15

Optimization of queries using relational algebraic theta-semijoin operator

Inventor: SRIVASTAVA DIVESH (US); STUCKEY PETER JApplicant: LUCENT TECHNOLOGIES INC (US)

(AU); (+1)

EC: G06F17/30S4P3T2; G06F17/30S4P3T5

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US6032144 - 2000-02-29

Method for Detecting and Optimizing Relational Queries with **Encoding/Decoding Tables**

Inventor: LOHMAN GUY M (US); SCHIEFER BERNHARD Applicant: IBM (US)

(CA); (+1)

EC: G06F17/30S1R IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: CA2168287 - 1996-10-01

Method to help in optimizing a query from a relational data base management system

Inventor: VACHEY ERIC (FR)

EC: G06F17/30S4P3T6

Applicant: BULL SA (FR)

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F9/00

(+1)

Publication info: **US5630120** - 1997-05-13

10 METHOD FOR OPTIMIZATION OF QUESTION OF RELATIONAL

DATABASE

Inventor: SURAJITSUTO CHIYAUDEYURI

Applicant: HEWLETT PACKARD CO

EC: G06F17/30S4P3T2; G06F17/30S4P3T5

IPC: G06F12/00; G06F17/30; G06F12/00 (+3)

Publication info: JP8055138 - 1996-02-27

20 results found in the Worldwide database for: relational in the title AND optimizing in the title or abstract (Results are sorted by date of upload in database)

11 Optimization of SQL queries using early-out join transformations of column-bound relational tables

Inventor: PIRAHESH MIR H (US); LEUNG TING Y (US); Applicant: IBM (US)

(+3)

EC: G06F17/30S4P3T2

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US5548758 - 1996-08-20

12 System for optimizing correlated SQL queries in a relational database

using magic decorrelation

Inventor: LEUNG TING Y (US); PIRAHESH MIR H (US); Applicant: IBM (US)

EC: G06F17/30S4P3T5; G06F17/30S4P3T6

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US5548755 - 1996-08-20

13 METHOD AND EQUIPMENT FOR OPTIMIZING INQUIRY IN RELATIONAL DATABASE SYSTEM WITH EXTERNAL FUNCTION

Inventor: SURAJITO CHIYAUDOFURI; KIYUSEOKU

Applicant: HEWLETT PACKARD CO

SHIN

EC: G06F17/30S4P3T5

IPC: G06F12/00; G06F17/30; G06F12/00 (+3)

Publication info: JP7141236 - 1995-06-02

14 Method to help in optimizing a query from a relational data base management system, and resultant method of syntactical analysis

Inventor: CADOT MICHEL (FR)

Applicant: BULL SA (FR)

EC: G06F17/30S4F5; G06F17/30S4P3T2; (+1)

IPC: G06F12/00; G06F17/30; G06F12/00 (+3)

Publication info: US5495605 - 1996-02-27

15 Computer automated system and method for optimizing the processing of a query in a relational database system by merging subqueries with the guery

Inventor: CHENG JOSEPHINE M-K (US); FINKELSTEIN Applicant: IBM (US)

SHELDON J (US); (+3)

EC: G06F17/30S4P3T1; G06F17/30S4P3T5J

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F15/403

Publication info: US5367675 - 1994-11-22

16 HIGH SPEED RELATIONAL DATA BASE PROCESSOR

Inventor: WIMER TED L (US); JOPSON CHARLES (US) Applicant: EXTENDED SYST INC (US)

EC: G06F17/30S8R IPC: G06F9/38; G06F9/30; G06F13/00 (+6)

Publication info: WO8912277 - 1989-12-14

17 SYSTEM FOR OPTIMIZING QUERY PROCESSING IN A RELATIONAL **DATABASE**

Inventor: TSUCHIDA MASASHI (JP); OHMACHI

Applicant: HITACHI LTD (JP)

KAZUHIKO (JP)

EC: G06F17/30S4P3T5; G06F17/30S4P3T7

IPC: G06F12/00; G06F17/30; G06F12/00 (+3)

Publication info: US5091852 - 1992-02-25

18 OPTIMIZING SYSTEM FOR RELATIONAL DATA BASE

Inventor: OKUDA HIROYUKI; KATO MASAMICHI

Applicant: HITACHI LTD

IPC: G06F12/00; G06F17/30; G06F12/00 (+3)

Publication info: JP1042731 - 1989-02-15

19 PARTIAL COMPILING SYSTEM FOR RELATIONAL DATA BASE **CONTROL SYSTEM**

Inventor: YAMANE YASUO

Applicant: FUJITSU LTD

EC:

IPC: G06F9/46; G06F9/44; G06F9/45 (+8)

Publication info: **JP62274433** - 1987-11-28

20 INQUIRY PROCESS OPTIMIZING METHOD IN RELATIONAL DATA BASE PROCESSING DEVICE

Inventor: SATO KAZUHIRO; FUKUSHIMA SHINICHI;

Applicant: HITACHI LTD

(+1)

EC:

IPC: G06F12/00; G06F17/30; G06F12/00 (+2)

Publication info: **JP61052755** - 1986-03-15

13 results found in the Worldwide database for:

optimizing in the title AND query and expression in the title or abstract

(Results are sorted by date of upload in database)

SYSTEM AND METHOD FOR OPTIMIZING XML QUERY LANGUAGE AND VIEW DEFINITION LANGUAGE

Inventor: BRUNDAGE MICHAEL L; KIMBALL ANDREW E Applicant: MICROSOFT CORP

EC: G06F17/30X7P3 IPC: G06F9/45; G06F12/00; G06F17/30 (+4)

Publication info: KR20050000328 - 2005-01-03

Apparatus and method for optimizing a union database query

Inventor: SANTOSUOSSO JOHN M (US) Applicant: IBM (US)

EC: G06F17/30S4P3T4; G06F17/30S4P4P3 IPC: G06F17/30; G06F7/00; G06F7/00 (+1)

Publication info: US2006064407 - 2006-03-23

Method of optimizing SQL queries where a predicate matches nullable

Inventor: LEUNG TING YU (US); TRUONG TUONG

Applicant: IBM (US)

CHANH (US)

EC:

IPC: G06F7/00; G06F7/00 Publication info: US6996557 - 2006-02-07

System and method for optimizing queries using materialized views

and fast view matching

Inventor: LARSON PER-AKE (US); GOLDSTEIN

Applicant: MICROSOFT CORP (US)

JONATHAN (US)

EC: G06F17/30S4P3T3; G06F17/30S4P3T1

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US2005091208 - 2005-04-28

System and method for optimizing queries on views defined by conditional expressions having mutually exclusive conditions

Inventor: FINLAY IAN RICHARD (CA); ZUZARTE

Applicant: IBM (US)

CALISTO PAUL (CA)

EC: G06F17/30S4P3T1; G06F17/30S4P3T2

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US2004220896 - 2004-11-04

OPTIMIZING DATABASE QUERY PERFORMANCE BY DERIVING QUERY PREDICATES

Inventor: MALKEMUS TIMOTHY RAY (US); KOO FRED Applicant: IBM (US)

(CA)

EC: G06F17/30S4P3T2

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: CA2416368 - 2003-10-16

SELECTION OF MATERIALIZING VIEW ON THE BASIS OF COST FOR **OPTIMIZING QUERY**

Inventor: GALINDO-LEGARIA CESAR A; JOSHI MILIND Applicant: MICROSOFT CORP

EC: G06F17/30S4P3T3; G06F17/30S4P3T5

IPC: G06F12/00; G06F17/30; G06F12/00 (+3)

Publication info: JP2002163290 - 2002-06-07

System and method for optimizing the structure and display of complex data filters

Inventor: MARUSAK SCOTT M (US) Applicant: SAS INST INC (US)

EC: G06F17/30S4F5; G06F17/30S4P3T4 IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: **US6470335** - 2002-10-22

SYSTEM AND METHOD FOR OPTIMIZING DATABASE QUERIES

Inventor: CELIS PEDRO; SHAK DIANA; (+2) Applicant: TANDEM COMPUTERS INC (US)

EC: G06F17/30S4P3T5 IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: W09826360 - 1998-06-18

10 A method for identifying key information for optimizing an SQL query

Inventor: BHARGAVA GAUTAM (US); GOEL PIYUSH

(US); (+1)

EC: G06F17/30S4P3T2; G06F17/30S4P3T5

Applicant: IBM (US)

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: **US5890148** - 1999-03-30

13 results found in the Worldwide database for: optimizing in the title AND query and expression in the title or abstract (Results are sorted by date of upload in database)

11 System and method for optimizing database queries with improved performance enhancements

Inventor: CELIS PEDRO (US); SHAK DIANA (US); (+2) Applicant: TANDEM COMPUTERS INC (US)

EC: G06F17/30S4P3T5 IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US6021405 - 2000-02-01

12 System and methods for optimizing database queries

Inventor: THAI LAM H (US)

Applicant: BORLAND INT INC (US)

Publication info: US5666528 - 1997-09-09

13 Computer program product for enabling a computer to generate uniqueness information for optimizing an SQL query

Inventor: BHARGAVA GAUTAM (US); GOEL PIYUSH Applicant: IBM (US)

(US); (+1)

EC: G06F17/30S4P3T IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US5696960 - 1997-12-09

2 results found in the Worldwide database for: decomposing in the title AND query in the title or abstract (Results are sorted by date of upload in database)

Storing fragmented XML data into a relational database by decomposing XML documents with application specific mappings

Inventor: CHAU HOANG K (US); CHENG ISAAC KAM-

Applicant: IBM (US)

CHAK (US); (+5)

EC: G06F17/30S8R

IPC: G06F7/00; G06F17/30; G06F7/00 (+2)

Publication info: US2002133484 - 2002-09-19

2 Apparatus and method for decomposing database queries for database management system including multiprocessor digital data processing

Inventor: REINER DAVID (US); MILLER JEFFREY M

Applicant: SUN MICROSYSTEMS INC (US)

(US); (+1)

EC: G06F17/30S8R

IPC: G06F12/00; G06F15/00; G06F15/16 (+7)

Publication info: **US6289334** - 2001-09-11

3 results found in the Worldwide database for: tables and query in the title AND optimizing in the title or abstract (Results are sorted by date of upload in database)

1 Optimizing correlated queries using automatic summary tables

Inventor: ZAHARIOUDAKIS MARKOS (US); PIRAHESH Applicant: IBM (US)

MIR HAMID (US); (+3)

EC: G06F17/30S4P3T3

IPC: G06F7/00; G06F17/30; G06F7/00 (+2)

Publication info: US2003088558 - 2003-05-08

2 Parallel query optimization strategies for replicated and partitioned

tables

Inventor: LEUNG TING YU (US); PIRAHESH MIR HAMID Applicant: IBM (US)

(US); (+2)

EC: G06F17/30N; G06F17/30S1R

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US6625593 - 2003-09-23

3 Query optimization by transparently altering properties of relational

tables using materialized views

Inventor: COCHRANE ROBERTA JO (US); LAPIS

Applicant: IBM (US)

GEORGE (US); (+6)

EC: G06F17/30S8R; G06F17/30S4P3T3

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US6339769 - 2002-01-15

3 results found in the Worldwide database for: query and grouping in the title AND optimizing in the title or abstract (Results are sorted by date of upload in database)

Dynamic selection of optimal grouping sequence at runtime for grouping sets, rollup and cube operations in SQL query processing

Inventor: ZHANG GUOGEN (US); LIN FEN-LING (US); Applicant: IBM (US)

(+4)

EC: G06F17/30S4P3T2

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F7/00

Publication info: US2005027690 - 2005-02-03

Query transformation and simplification for group by queries with rollup/grouping sets in relational database management systems

Inventor: LEUNG TING YU (US); WANG HAIXUN (US) Applicant: IBM (US)

EC: G06F17/30S4P3T2; G06F17/30S4P3T5 IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

(+1)

Publication info: US6574623 - 2003-06-03

Query simplification and optimization involving eliminating grouping column from group by operation corresponds to group by item that is

Inventor: LEUNG TING YU (US); PIRAHESH MIR HAMID Applicant: IBM (US)

(US)

EC: G06F17/30S4P3T2

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US6339770 - 2002-01-15

11 results found in the Worldwide database for: sql in the title AND optimizing in the title or abstract (Results are sorted by date of upload in database)

Method of optimizing SQL queries where a predicate matches nullable operands

Inventor: LEUNG TING YU (US): TRUONG TUONG

Applicant: IBM (US)

CHANH (US)

EC:

IPC: G06F7/00; G06F7/00

Publication info: US6996557 - 2006-02-07

Dynamic selection of optimal grouping sequence at runtime for grouping sets, rollup and cube operations in SQL query processing

Inventor: ZHANG GUOGEN (US); LIN FEN-LING (US); Applicant: IBM (US)

EC: G06F17/30S4P3T2

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F7/00

Publication info: **US2005027690** - 2005-02-03

Optimization of SQL queries using filtering predicates

Inventor: BEAVIN THOMAS A (US); MALONE PATRICK Mapplicant:

(US); (+2)

EC: G06F17/30S4P3T2

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US2002069193 - 2002-06-06

A method for identifying key information for optimizing an SQL query

Inventor: BHARGAVA GAUTAM (US); GOEL PIYUSH

Applicant: IBM (US)

(US); (+1)

EC: G06F17/30S4P3T2; G06F17/30S4P3T5

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US5890148 - 1999-03-30

Optimization of SQL queries involving aggregate expressions using a plurality of local and global aggregation operations

Inventor: RAMESH BHASHYAM (US); KRAUS TIMOTHY Applicant: NCR CORP (US)

BRENT (US); (+1)

EC: G06F17/30S4P3P; G06F17/30S4P4P1A

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US5884299 - 1999-03-16

System, method, and program for extending a SQL compiler for handling control statements packaged with SQL query statements

Inventor: CHOW JYH-HERNG (US); FUH YOU-CHIN

Applicant: IBM (US)

GENE (US); (+2)

EC: G06F17/30S4F9P; G06F9/45A5; (+3)

IPC: G06F9/45; G06F17/30; G06F9/45 (+2)

Publication info: US5875334 - 1999-02-23

Optimization of SQL queries using hash star join operations

Inventor: PEDERSON DONALD RAYMOND (US);

Applicant: NCR CORP (US)

KOSTAMAA OLLI PEKKA (US)

EC: G06F17/30S8M; G06F17/30S4P3P; (+1)

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US5864842 - 1999-01-26

Optimization of SQL queries using early-out join transformations of column-bound relational tables

Inventor: PIRAHESH MIR H (US); LEUNG TING Y (US); Applicant: IBM (US)

(+3)

EC: G06F17/30S4P3T2

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US5548758 - 1996-08-20

Computer program product for enabling a computer to generate uniqueness information for optimizing an SQL query

Inventor: BHARGAVA GAUTAM (US); GOEL PIYUSH

Applicant: IBM (US)

(US); (+1)

EC: G06F17/30S4P3T

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: **US5696960** - 1997-12-09

10 System for optimizing correlated SQL queries in a relational database using magic decorrelation

Inventor: LEUNG TING Y (US); PIRAHESH MIR H (US); Applicant: IBM (US)

(+1)

EC: G06F17/30S4P3T5; G06F17/30S4P3T6 :

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: **US5548755** - 1996-08-20

11 results found in the Worldwide database for: sql in the title AND optimizing in the title or abstract (Results are sorted by date of upload in database)

11 Optimization of SQL queries using universal quantifiers, set intersection, and max/min aggregation in the presence of nullable columns

Inventor: LEUNG TING Y (US); PIRAHESH MIR H (US); Applicant: IBM (US)

(+2)

EC: G06F17/30S4P3T2; G06F17/30S4P3T5

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US5590324 - 1996-12-31

Approximately **141** results found in the Worldwide database for: **database** in the title AND **optimizing** in the title or abstract (Results are sorted by date of upload in database)

1 OPTIMIZING ACCESS TO A DATABASE BY UTILIZING A STAR JOIN

Inventor: AU GRACE (US); RAMESH BHASHYAM (IN); Applicant:

(+1)

EC:

IPC: G06F17/30; G06F17/30

Publication info: **US2007083490** - 2007-04-12

2 OPTIMIZING ACCESS TO A DATABASE

Inventor: AU GRACE (US); RAMESH BHASHYAM (IN); Applican

(+1)

EC:

IPC: G06F17/30; G06F17/30

Publication info: US2007073647 - 2007-03-29

3 METHOD AND SYSTEM FOR OPTIMIZING USER DATABASE QUERIES

Inventor: RAMESH BHASHYAM (IN); WATZKE MICHAEL Applicant:

(US)

EC:

IPC: G06F17/30; G06F17/30

Publication info: US2007067262 - 2007-03-22

4 OPTIMIZED DATABASE COORDINATION AND SUPPLY CHAIN EFFICIENCY

Inventor: HULL JACKSON ROBIE (US); LAI CALBERT

(US); (+3)

EC:

Applicant: SITOA CORP (US); HULL JACKSON ROBIE

(US); (+4)

IPC: G06Q30/00; G06Q30/00

Publication info: WO2007021920 - 2007-02-22

5 OPTIMIZING DATABASE ACCESS FOR RECORD LINKAGE BY TILING THE SPACE OF RECORD PAIRS

Inventor: GIANG PHAN H (US): SANDILYA

Applicant: SIEMENS MEDICAL SOLUTIONS (US)

SATHYAKAMA (GB); (+2)

EC:

IPC: G06F17/30; G06F17/30

Publication info: EP1730655 - 2006-12-13

6 Apparatus and method for optimizing a computer database query that Fetches n rows

Inventor: MURAS BRIAN R (US); NELSON ROBERT R

Applicant: IBM (US)

(US); (+1)

EC:

IPC: G06F17/30; G06F17/30

Publication info: US2006259457 - 2006-11-16

7 SYSTEM AND METHOD FOR USING GRID INDEX FOR ENCODING LOCATION AND ESTIMATED ACCURACY VALUE OF COORDINATES VALUE FOR DATABASE ENTRY

Inventor: TOYAMA KENTARO; LOGAN RON

Applicant: MICROSOFT CORP

EC: G06F17/30C; G06F17/30L; (+1)

IPC: G09B29/00; G06F12/00; G06F17/30 (+4)

Publication info: KR20040095751 - 2004-11-15

8 CELL LIBRARY DATABASE CONSTRUCTING METHOD USING INPUT STATE DEPENDENCY ALGORITHM OPTIMIZING DATABASE SIZE AND MARGINAL DESIGN VERIFICATION

Inventor: KIM DU JIN (KR)

Applicant: SAMSUNG ELECTRONICS CO LTD (KR)

, ,

IPC: G06F17/50; G06F17/50; (IPC1-7): G06F17/50

Publication info: KR20050048422 - 2005-05-24

9 Database performance analysis

Inventor: GRAY JON (GB)

Applicant: COGITO LTD (GB)

EC:

IPC: G06F17/30; G06F17/30

Publication info: GB2425625 - 2006-11-01

10 SYSTEM AND METHOD FOR DESIGNING VEHICLE WIRING HARNESS BY USING DATABASE

Inventor: KIM DAE SEONG (KR)

Applicant: HYUNDAI MOTOR CO LTD (KR)

EC:

IPC: G06F17/50; G06F17/50; (IPC1-7): G06F17/50

Publication info: KR20030081675 - 2003-10-22

11 results found in the Worldwide database for:

query in the title AND optimizing and tables in the title or abstract

(Results are sorted by date of upload in database)

Optimizing database queries using query execution plans derived from automatic summary table determining cost based queries

Inventor: LEUNG TING YU (US); SIMMEN DAVID E

Applicant: IBM (US)

(US); (+1)

EC:

IPC: G06F17/30; G06F17/30

Publication info: US7080062 - 2006-07-18

Optimizing execution of a database query by using the partitioning schema of a partitioned object to select a subset of partitions from another partitioned object

Inventor: SHANKAR SHRIKANTH (US); SHUKLA VIKRAMApplicant:

(US)

IPC: G06F7/00; G06F7/00; (IPC1-7): G06F7/00

Publication info: US2005251511 - 2005-11-10

OPTIMIZING DATABASE QUERY PERFORMANCE BY DERIVING **QUERY PREDICATES**

Inventor: MALKEMUS TIMOTHY RAY (US); KOO FRED Applicant: IBM (US)

(CA)

EC: G06F17/30S4P3T2

IPC: G06F17/30; G06F17/30; (IPC1-7); G06F17/30

Publication info: CA2416368 - 2003-10-16

Matching groupings, re-aggregation avoidance and comprehensive aggregate function derivation rules in query rewrites using materialized views

Inventor: ZHANG GUOGEN (US); LI RUIPING (US);

Applicant: IBM (US)

(+2)

EC: G06F17/30S4P3T3; G06F17/30S1R; (+1)

IPC: G06F17/30; G06F17/30; (IPC1-7); G06F17/30

(+1)

Publication info: US2004122814 - 2004-06-24

Optimizing correlated queries using automatic summary tables

Inventor: ZAHARIOUDAKIS MARKOS (US); PIRAHESH Applicant: IBM (US)

MIR HAMID (US); (+3)

EC: G06F17/30S4P3T3

IPC: G06F7/00; G06F17/30; G06F7/00 (+2)

Publication info: US2003088558 - 2003-05-08

Systems and methods for providing structured query language. optimization optim

Inventor: TOW DANIEL S (US)

Applicant:

EC: G06F17/30G3; G06F17/30S1R

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

(+1)

Publication info: US2004064441 - 2004-04-01

Optimizing a query using a non-covering join index

Inventor: AU GRACE KWAN-ON (US); GHAZAL AHMAD Applicant: NCR CORP (US)

SAID (US); (+1)

EC: G06F17/30S4P3T5S; G06F17/30S4P3T2

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US6643636 - 2003-11-04

8 Parallel query optimization strategies for replicated and partitioned tables

Inventor: LEUNG TING YU (US); PIRAHESH MIR HAMID Applicant: IBM (US)

(US); (+2)

EC: G06F17/30N; G06F17/30S1R

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US6625593 - 2003-09-23

9 Query optimization by transparently altering properties of relational tables using materialized views

'Inventor: COCHRANE ROBERTA JO (US); LAPIS

GEORGE (US); (+6)

EC: G06F17/30S8R; G06F17/30S4P3T3

..., ..., ...

Applicant: IBM (US)

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: **US6339769** - 2002-01-15

10 Optimizing table join ordering using graph theory prior to query

optimization

Inventor: GRAY JAMES E (US)

Applicant: BULL HN INFORMATION SYST (US)

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

EC: G06F17/30S4P3T6; G06F17/30S4P3T5J Publication info: US5758335 - 1998-05-26

11 results found in the Worldwide database for: query in the title AND optimizing and tables in the title or abstract (Results are sorted by date of upload in database)

11 System, method, and program for extending a SQL compiler for handling control statements packaged with SQL query statements

Inventor: CHOW JYH-HERNG (US); FUH YOU-CHIN

Applicant: IBM (US)

GENE (US); (+2)

EC: G06F17/30S4F9P; G06F9/45A5; (+3)

IPC: G06F9/45; G06F17/30; G06F9/45 (+2)

Publication info: US5875334 - 1999-02-23

7 results found in the Worldwide database for:

optimizing in the title AND database and expressions in the title or abstract

(Results are sorted by date of upload in database)

METHOD AND SYSTEM FOR OPTIMIZING USER DATABASE QUERIES

Inventor: RAMESH BHASHYAM (IN); WATZKE MICHAEL Applicant:

(US)

EC:

IPC: G06F17/30; G06F17/30

Publication info: US2007067262 - 2007-03-22

SYSTEM AND METHOD FOR OPTIMIZING ROW LEVEL DATABASE SECURITY

Inventor: CHANDER GIRSH; HAMILTON JAMES R; (+3) Applicant: MICROSOFT CORP

EC: G06F21/00N9A2D IPC: G06F21/24; G06F17/30; G06F21/00 (+4)

Publication info: JP2005228312 - 2005-08-25

Optimizing correlated queries using automatic summary tables

Inventor: ZAHARIOUDAKIS MARKOS (US); PIRAHESH Applicant: IBM (US)

MIR HAMID (US); (+3)

EC: G06F17/30S4P3T3

IPC: G06F7/00; G06F17/30; G06F7/00 (+2)

Publication info: US2003088558 - 2003-05-08

Method of simplifying and optimizing scalar subqueries and derived tables that return exactly or at most one tuple

Inventor: LEUNG TING YU (US); URATA MONICA

SACHIYE (US); (+1)

EC: G06F17/30S4P3T1

Applicant: IBM (US)

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US6826562 - 2004-11-30

SYSTEM AND METHOD FOR OPTIMIZING DATABASE QUERIES

Inventor: CELIS PEDRO; SHAK DIANA; (+2)

Applicant: TANDEM COMPUTERS INC (US)

EC: G06F17/30S4P3T5

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: W09826360 - 1998-06-18

System and method for optimizing database queries with improved performance enhancements

Inventor: CELIS PEDRO (US); SHAK DIANA (US); (+2) Applicant: TANDEM COMPUTERS INC (US)

EC: G06F17/30S4P3T5

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US6021405 - 2000-02-01

Computer automated system and method for optimizing the processing of a query in a relational database system by merging subqueries with the query

Inventor: CHENG JOSEPHINE M-K (US); FINKELSTEIN Applicant: IBM (US)

SHELDON J (US); (+3)

EC: G06F17/30S4P3T1; G06F17/30S4P3T5J

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F15/403

Publication info: US5367675 - 1994-11-22

3 results found in the Worldwide database for:

 $\textbf{tables and query} \ \text{in the title AND } \textbf{optimizing} \ \text{in the title or abstract}$

(Results are sorted by date of upload in database)

1 Optimizing correlated queries using automatic summary tables

Inventor: ZAHARIOUDAKIS MARKOS (US); PIRAHESH Applicant: IBM (US)

MIR HAMID (US); (+3)

EC: G06F17/30S4P3T3

IPC: G06F7/00; G06F17/30; G06F7/00 (+2)

Publication info: US2003088558 - 2003-05-08

2 Parallel query optimization strategies for replicated and partitioned

tables

Inventor: LEUNG TING YU (US); PIRAHESH MIR HAMID Applicant: IBM (US)

(US); (+2)

EC: G06F17/30N; G06F17/30S1R

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: **US6625593** - 2003-09-23

3 Query optimization by transparently altering properties of relational

tables using materialized views

Inventor: COCHRANE ROBERTA JO (US); LAPIS

Applicant: IBM (US)

GEORGE (US); (+6)

EC: G06F17/30S8R; G06F17/30S4P3T3

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US6339769 - 2002-01-15

11 results found in the Worldwide database for: sql in the title AND optimizing in the title or abstract (Results are sorted by date of upload in database)

Method of optimizing SQL queries where a predicate matches nullable operands

Inventor: LEUNG TING YU (US); TRUONG TUONG

Applicant: IBM (US)

CHANH (US)

EC:

IPC: G06F7/00; G06F7/00

Publication info: US6996557 - 2006-02-07

Dynamic selection of optimal grouping sequence at runtime for grouping sets, rollup and cube operations in SQL query processing

Inventor: ZHANG GUOGEN (US); LIN FEN-LING (US); Applicant: IBM (US)

EC: G06F17/30S4P3T2

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F7/00

Publication info: US2005027690 - 2005-02-03

Optimization of SQL queries using filtering predicates

Inventor: BEAVIN THOMAS A (US); MALONE PATRICK Mapplicant:

(US); (+2)

EC: G06F17/30S4P3T2

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US2002069193 - 2002-06-06

A method for identifying key information for optimizing an SQL query

Inventor: BHARGAVA GAUTAM (US); GOEL PIYUSH

Applicant: IBM (US)

(US); (+1)

EC: G06F17/30S4P3T2; G06F17/30S4P3T5

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US5890148 - 1999-03-30

Optimization of SQL queries involving aggregate expressions using a plurality of local and global aggregation operations

Inventor: RAMESH BHASHYAM (US); KRAUS TIMOTHY Applicant: NCR CORP (US)

BRENT (US); (+1)

EC: G06F17/30S4P3P; G06F17/30S4P4P1A

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US5884299 - 1999-03-16

System, method, and program for extending a SQL compiler for handling control statements packaged with SQL query statements

Inventor: CHOW JYH-HERNG (US); FUH YOU-CHIN

Applicant: IBM (US)

GENE (US); (+2)

EC: G06F17/30S4F9P; G06F9/45A5; (+3)

IPC: G06F9/45; G06F17/30; G06F9/45 (+2)

Publication info: US5875334 - 1999-02-23

Optimization of SQL queries using hash star join operations

Inventor: PEDERSON DONALD RAYMOND (US):

Applicant: NCR CORP (US)

KOSTAMAA OLLI PEKKA (US)

EC: G06F17/30S8M; G06F17/30S4P3P; (+1)

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US5864842 - 1999-01-26

Optimization of SQL queries using early-out join transformations of column-bound relational tables

Inventor: PIRAHESH MIR H (US); LEUNG TING Y (US); Applicant: IBM (US)

(+3)

EC: . G06F17/30S4P3T2

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US5548758 - 1996-08-20

9 Computer program product for enabling a computer to generate uniqueness information for optimizing an SQL query

Inventor: BHARGAVA GAUTAM (US); GOEL PIYUSH Applicant: IBM (US)

(US); (+1)

EC: G06F17/30S4P3T

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US5696960 - 1997-12-09

10 System for optimizing correlated SQL queries in a relational database using magic decorrelation

Inventor: LEUNG TING Y (US); PIRAHESH MIR H (US); Applicant: IBM (US)

(+1)

EC: G06F17/30S4P3T5; G06F17/30S4P3T6

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US5548755 - 1996-08-20

11 results found in the Worldwide database for: sql in the title AND optimizing in the title or abstract (Results are sorted by date of upload in database)

11 Optimization of SQL queries using universal quantifiers, set intersection, and max/min aggregation in the presence of nullable columns

Inventor: LEUNG TING Y (US); PIRAHESH MIR H (US); Applicant: IBM (US)

(+2)

EC: G06F17/30S4P3T2; G06F17/30S4P3T5

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: **US5590324** - 1996-12-31

4 results found in the Worldwide database for: statistics and query in the title AND tables in the title or abstract (Results are sorted by date of upload in database).

Generating statistics for temporary tables during query optimization

Inventor: DRIESCH ROBERT D JR (US); EDWARDS

JOHN F (US); (+2) EC: G06F17/30S8R; G06F17/30S4P3T5S

IPC: G06F17/30; G06F17/30

Publication info: US2007043697 - 2007-02-22

Using data in materialized query tables as a source for query

optimization statistics

Inventor: SIMMEN DAVID E (US)

Applicant: IBM (US)

EC: G06F17/30S4P3T5

IPC: G06F17/30; G06F7/00; G06F7/00 (+1)

Publication info: US2006036576 - 2006-02-16

Method and apparatus for using conditional selectivity as foundation

for exploiting statistics on query expressions

Inventor: BRUNO NICOLAS (US); CHAUDHURI SURAJIT Applicant: MICROSOFT CORP (US)

EC: G06F17/30S4P3T5S; G06F17/30S4P8A

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F7/00

Publication info: US2005004907 - 2005-01-06

Method and apparatus for generating statistics on query expressions

for optimization

Inventor: CHAUDHURI SURAJIT (US); BRUNO NICOLAS Applicant: MICROSOFT CORP (US)

(US) EC:

Publication info: US2004236762 - 2004-11-25

IPC: G06F17/00; G06F17/00; (IPC1-7): G06F17/00

3 results found in the Worldwide database for: sql in the title AND statistics in the title or abstract (Results are sorted by date of upload in database)

1 Adaptive database buffer memory management using dynamic SQL

statement cache statistics
Inventor: GORDON MARK R (US)

EC: G06F17/30H

Publication info: US2006074872 - 2006-04-06

2 High load SQL driven statistics collection

Inventor: DAGEVILLE BENOIT (US); ZIAUDDIN

MOHAMED (US); (+2)

EC:

Publication info: US2005138015 - 2005-06-23

3 Auto-tuning SQL statements

Inventor: ZIAUDDIN MOHAMED (US); DAGEVILLE

BENOIT (US); (+2)

EC:

Publication info: US2005120000 - 2005-06-02

Applicant: IBM (US)

IPC: G06F17/30; G06F17/30

Applicant: ORACLE INT CORP (US)

IPC: G06F17/00; G06F17/00; (IPC1-7): G06F17/00

Applicant: ORACLE INT CORP (US)

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

10 results found in the Worldwide database for:

expressions in the title AND optimizing in the title or abstract

(Results are sorted by date of upload in database)

Optimizing XSLT based on input XML document structure description and translating XSLT into equivalent XQuery expressions

Inventor: LIU ZHEN H (US); KRISHNAPRASAD

MURALIDHAR (US); (+1)

EC: G06F17/22T2; G06F17/22M

IPC: G06F17/00; G06F17/30; G06F17/00 (+1)

Publication info: US2006242563 - 2006-10-26

ANALYZING INDUCTIVE EXPRESSIONS IN A MULTI-LANGUAGE OPTIMIZING COMPILER

Inventor: BLICKSEIN DAVID SCOTT (US); DAVIDSON Applicant: DIGITAL EQUIPMENT CORP (US)

CAROLINE SWEENY (US); (+4)

EC: G06F9/45C1; G06F9/45C3T; (+2)

IPC: G06F9/45; G06F9/45; (IPC1-7): G06F9/45

Publication info: KR960003138B - 1996-03-05

System and method for optimizing polynomial expressions in a

processing environment

Inventor: FALLAH FARZAN (US)

Applicant: FUJITSU LTD

IPC: G06F7/38; G06F7/38

Publication info: US2006075011 - 2006-04-06

System and method for optimizing queries on views defined by conditional expressions having mutually exclusive conditions

Inventor: FINLAY IAN RICHARD (CA); ZUZARTE

Applicant: IBM (US)

CALISTO PAUL (CA)

EC: G06F17/30S4P3T1; G06F17/30S4P3T2

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US2004220896 - 2004-11-04

METHOD AND SYSTEM FOR INTERACTIVE BUILDING AND OPTIMIZATION OF SEARCH EXPRESSIONS

Inventor: BREIVIK JARLE (NO)

Applicant: E PEDERSEN & SOENN AS (NO); BREIVIK

JARLE (NO)

EC: G06F17/30W3; G06F17/30Z2F1

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: WO0241185 - 2002-05-23

Optimization of SQL queries involving aggregate expressions using a plurality of local and global aggregation operations

Inventor: RAMESH BHASHYAM (US); KRAUS TIMOTHY Applicant: NCR CORP (US)

BRENT (US); (+1)

EC: G06F17/30S4P3P; G06F17/30S4P4P1A

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US5884299 - 1999-03-16

Compiler optimizer that moves loop invariant expressions

Inventor: HIRAI SHINJI (JP)

Applicant: NIPPON ELECTRIC CO (JP)

EC: G06F9/45E3

IPC: G06F9/45; G06F9/45; (IPC1-7): G06F9/45

Publication info: US5862384 - 1999-01-19

Analyzing inductive expressions in a multilanguage optimizing compiler

Inventor: BLICKSTEIN DAVID S (US)

Applicant: DIGITAL EQUIPMENT CORP (US)

EC: G06F9/45C1; G06F9/45E3; (+1)

IPC: G06F9/45; G06F9/45; (IPC1-7): G06F9/45

Publication info: US5577253 - 1996-11-19

Compiling apparatus having a function to analyze overlaps of memory addresses of two or more data expressions and a compiling method

Inventor: HAYASHI MASAKAZU (JP); NAKAHIRA

Applicant: FUJITSU LTD (JP)

TADASHI (JP)

EC: G06F9/45C1A

IPC: G06F9/45; G06F9/45; (IPC1-7): G06F9/44

Publication info: **US5581762** - 1996-12-03

10 COMPILING COMPUTER CODE: OPTIMIZING INTERMEDIATE LANGUAGE FLOW GRAPH USING ROUTINE TO FOLD CONSTANT EXPRESSIONS

Inventor: FAIMAN ROBERT NEIL

Applicant: DIGITAL EQUIPMENT CORP

EC: G06F9/45C1; G06F9/45E3; (+1)

IPC: G06F9/45; G06F9/45; (IPC1-7): G06F9/45

Publication info: NZ241694 - 1994-11-25

6 results found in the Worldwide database for: statistics in the title AND database and tables in the title or abstract (Results are sorted by date of upload in database)

Generating statistics for temporary tables during query optimization

Inventor: DRIESCH ROBERT D JR (US); EDWARDS

Applicant: IBM (US)

JOHN F (US); (+2)

EC: G06F17/30S8R; G06F17/30S4P3T5S

IPC: G06F17/30; G06F17/30

Publication info: US2007043697 - 2007-02-22

Method, system, and program for collecting statistics of data stored in a database

Inventor: LIGHTSTONE SAM S (CA); POPIVANOV IVAN Applicant: IBM (US)

(CA); (+1)

EC: G06F17/30B

IPC: G06F17/30; G06F17/30

Publication info: US2006112093 - 2006-05-25

System and method for externally providing database optimizer statistics

Inventor: SAUERMANN VOLKER (DE)

Applicant:

EC: G06F17/30S8R; G06F17/30B

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: US2005262158 - 2005-11-24

System and method for gathering and analyzing database performance

statistics

Inventor: MAROKHOVSKY SERGE G (US); CHEN SHUZI Applicant: EMC CORP (US)

(US); (+2)

EC:

IPC: G06F17/30; G06F17/30; (IPC1-7): G06F17/30

Publication info: **US6804627** - 2004-10-12

System and method for real time statistics collection for use in the automatic management of a database system

Inventor: BONNER CHARLES ROY (US); HRLE NAMIK Applicant: IBM (US)

(DE); (+1)

EC: G06F17/30B

IPC: G06F7/00; G06F17/30; G06F7/00 (+2)

Publication info: US2004034643 - 2004-02-19

Method for extracting statistical profiles, use of the statistics created by the method.

Inventor: ANDRES FREDERIC (FR)

Applicant: BULL SA (FR)

EC: G06F17/30S4P8A; G06F11/34M

IPC: G06F11/34; G06F12/00; G06F17/30 (+4)

Publication info: EP0599707 - 1994-06-01